Hanwha Vision

AĞ KAMERASI

Kullanım Kılavuzu

PNV-A9081R/PND-A9081RV
PND-A9081RF/PNO-A9081R
PNB-A9001

CE

Ağ Kamerası
Kullanım Kılavuzu

Telif hakkı

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Ticari marka

Burada belirtilen her bir ticari marka tescillidir. Bu kılavuzda bahsi geçen ürünün adı ve ticari markalar ilgili şirketin tescilli ticari markalarıdır.

Kısıtlama

Bu dokümanın telif hakkı saklıdır. Resmi yetki olmadan, hiçbir koşul altında, bu doküman çoğaltılamaz, dağıtılamaz, kısmen veya tamamen değiştirilemez.

Sorumluluk Reddi

Hanwha Vision bu belgedeki içeriklerin bütünlüğünü ve doğruluğunu sağlamak için mümkün olan tüm çabayı göstermekle birlikte resmi bir garanti verilmemektedir. Bu belgenin kullanımı ve bundan kaynaklanan tüm sonuçların sorumluluğu tamamen kullanıcıya aittir.
Hanwha Vision bu belgenin içeriklerini önceden bildirim yapmadan değiştirme hakkını saklı tutar.

❖ **Tasarım ve spesifikasyonlar önceden bildirim yapılmadan değiştirilebilir.**

❖ **İlk yönetici kimliği "admin"dir ve ilk kez oturum açıldığında şifrenin ayarlanması gerekir.**
Lütfen kişisel bilgilerinizi güvenli şekilde korumak ve bilgilerin çalınmasını önlemek için her üç ayda bir şifrenizi değiştirin.
Lütfen güvenlik ve şifrenin yanlış yönetilmesinden kaynaklanan diğer sorunların kullanıcının sorumluluğunda olduğunu unutmayın.

ÖNEMLİ GÜVENLİK YÖNERGELERİ

1. Bu yönergeleri okuyun.
2. Bu yönergeleri saklayın.
3. Uyarıları dikkate alın.
4. Yönergeyi takip edin.
5. Bu cihazı suyun yakınında kullanmayın.
6. Ürün yüzeyinde kirlenen alanı, yumuşak kuru veya nemli bir bezle silin.
   (Ürünün şeklini bozabilecek veya hasar verebilecek, alkol, solventler veya surfaktanlar içeren deterjan veya kozmetik ürünler kullanmayın)
7. Havalandırma deliklerini kapatmayın. Üreticinin talimatlarına göre kurun.
8. Radyatör, ısı aygıtları gibi ısı kaynaklarının veya (amplifikatörler dahil) ısı üreten diğer cihazların yaynına koymayın.
9. Güvenlik amaçlı polarize veya topraklamalı tip fişi bozmayın.
   Polarize fiş, biri diğerinden daha geniş iki ağza sahiptir. Topraklama tipi fiş iki ağza ve üç topraklama dişine sahiptir. Geniş ağız veya üçüncü diş güvenliğiniz için sağlanmıştır.
   Verilen fiş prizinize uymuyorsa tam uyan bir prizle değiştirmek için elektrikçiyle görüşün.
10. Özellikle fişlerde, priz yuvalarında ve üründen çıkan uçlarda sıkışan veya yürüyüş yolu üzerinde olan güç kablosunu koruyun.
11. Yalnızca üretici tarafından belirtilen ekleri/ aksesuarları kullanın.
12. Yalnızca üretici tarafından belirtilen veya cihazla birlikte satılan tekerlekli taşıma sehpası, kamera ayağı, üç ayaklı sehpa, dirsek veya masa kullanın. Tekerlekli taşıma sehpası kullanıldığında, devrilmeden kaynaklanabilecek yaralanmalardan kaçınmak için sehpa/cihaz kombinasyonunu dikkatli taşıyın.

13. Fırtına sırasında veya uzun süre kullanılmadan bırakıldığında bu cihazı prizden çıkartın.
14. Bütün servis işlemlerini yetkili servis personeline bildirin. Güç kaynağı kordonu veya fişin zarar görmesi, sıvının dökülmesi veya cihazın içine nesne düşmesi, cihazın yağmura veya neme maruz kalması, normal çalışmaması veya düşmesi gibi herhangi bir şekilde cihaz hasar gördüğünde servis gereklidir.
15. Bu ürünün “Sınıf 2” veya “LPS” olarak işaretlenmiş bir Listelenmiş Güç Kaynağı Ünitesi tarafından beslenmesi ve 12 VDC 1,48 A veya PoE 0,38 A olarak derecelendirilmesi amaçlanmıştır. (PND-A9081RV/RF)
16. Bu ürünün “Sınıf 2” veya “LPS” olarak işaretlenmiş bir Listelenmiş Güç Kaynağı Ünitesi tarafından beslenmesi ve 12 VDC 1,56 A veya PoE 0,38 A olarak derecelendirilmesi amaçlanmıştır. (PNV-A9081R)
17. Bu ürünün “Sınıf 2” veya “LPS” olarak işaretlenmiş bir Listelenmiş Güç Kaynağı Ünitesi tarafından beslenmesi ve 12 VDC 1,5 A veya PoE 0,4 A olarak derecelendirilmesi amaçlanmıştır. (PNO-A9081R)
18. Bu ürünün “Sınıf 2” veya “LPS” olarak işaretlenmiş bir Listelenmiş Güç Kaynağı Ünitesi tarafından beslenmesi ve 12 VDC 1,15 A veya PoE 0,32 A olarak derecelendirilmesi amaçlanmıştır. (PNB-A9001)
19. Bu ürünün yalıtım gücüyle beslenmesi amaçlanmıştır.
20. Ürünü kurarken aşırı güç kullanırsanız, kamera hasar görebilir ve arıza yapabilir.
    Uyumsuz aletler kullanarak ürünü zorla yüklerseniz, ürün hasar görebilir.
21. Ürünü kimyasal madde veya yağ buharı bulunan veya bunların oluşabileceği bir yere kurmayın. Soya yağı gibi yenilebilir yağlar ürüne hasar verebilir veya şeklini bozabilir; ürünü mutfakta veya mutfak masasına yakın bir yere kurmayın.
    Bu, ürünün zarar görmesine neden olabilir.
22. Ürünü kurarken, ürün yüzeyinin kimyasal madde ile lekelenmesine izin vermemeye dikkat edin. Temizleyici veya yapıştırıcı gibi bazı kimyasal solventler ürünün yüzeyine ciddi hasar verebilir.
23. Ürünü tavsiye edildiği şekilde kurmazsanız/kaldırmazsanız, üretim işlevleri/performans garanti edilemez. Kullanıcı kılavuzundaki “Kurulum ve Bağlantı” bölümüne bakarak ürünü kurun.
24. Ürünün su içinde kurulması veya kullanılması ürüne ciddi zararlar verebilir.
25. Hızlı sıcaklık değişimleri domun içinde buzlanmaya neden olabilse de, videoda sorun yaşanmayacaktır.
26. Bu cihaz STP kablo kullanılarak doğrulanmıştır. Ürününüzü ve malınızı geçici akımdan, gök gürültüsünden, iletişim kesintilerinden etkin bir şekilde korumak için uygun GND topraklama ve STP kablosunun kullanımı önerilir.

UYARI

YANGIN VEYA ELEKTRIK ŞOKU RISKINI AZALTMAK IÇIN, BU CIHAZI YAĞMUR VEYA NEME MARUZ BIRAKMAYIN. CİHAZDAKİ HAVALANDIRMA IZGARALARINA VEYA DİĞER DELİKLERE HİÇBİR METAL NESNE SOKMAYIN.

Cihaza sıvı damlatılmamalı veya dökülmemelidir; ayrıca vazo gibi sıvı dolu nesneler cihazın yakınında bulunmamalıdır.

Yaralanmaları önlemek için, bu cihaz montaj talimatlarına göre Duvara/tavana güvenli şekilde monte edilmelidir.

DİKKAT

GRAFİK SEMBOLLERİNİN AÇIKLAMASI

Eşkenar üçgen içindeki ok uçlu şimşek sembolü, ürün muhafazasında, kişiyi elektrik çarpmasına maruz bırakabilecek büyüklükte “tehlikeli gerilim” olduğunu kullanıcıya haber vermeyi amaçlar.

Eşkenar üçgen içindeki ünlem işareti, ürünle beraber verilen literatürde önemli çalışma ve bakım (servis) talimatlarının olduğunu kullanıcıya haber vermeyi amaçlar.

Sınıf I yapısı

Sınıf I yapısındaki bir cihaz, koruyucu topraklama bağlantısı bulunan bir ELEKTRİK prizine bağlanmalıdır.

Pil

Piller (takılı pil takımı veya piller), güneş ışığı, ateş veya benzeri yüksek ısı kaynaklarına maruz bırakılmamalıdır.

Pil değiştirilemez.

CIHAZIN BAĞLANTISINI KESME

Arızalanması halinde elektrik fişini çekerek cihazdan çıkarın. Lütfen bölgenizdeki bir tamirciyi arayın.

ABD dışındaki bölgelerde, HAR koduyla onaylanan bir kuruluşun aksesuarlarıyla birlikte kullanılabilir.

DİKKAT

Bu servis talimatları yalnızca yetkili servis personeline yöneliktir.
Elektrik çarpması riskini azaltmak için, gerekli yetkileriniz olmadığı sürece çalıştırma talimatlarında yer alan servis işlemlerinden başka bir işlem gerçekleştirmeyin.

Lütfen güç girişini yalnızca bir kamera ile kullanın; diğer cihazlar bağlanmamalıdır.

Yeni bir ürün kutusu açıldığında (veya ürünün ilk kullanımı sırasında), kameranın camında nem birikebilir. Biriken nem güç açıldıktan sonra birkaç saat içinde doğal bir şekilde kaybolur.

Gore valfi keyfi olarak gevşetmeyin veya sıkmayın.

ITE yalnızca PoE ağlarına bağlanabilir, harici bir tesise yöneltilemez.

Lütfen aşağıdaki önerilen güvenlik önlemlerini dikkatle okuyun.

- Bu cihazı düz olmayan bir yüzeye yerleştirmeyin.
- Doğrudan güneş ışığına maruz kalacağı bir yüzeye, ısıtma cihazlarının yakınına veya aşırı soğuk bir alana monte etmeyin.
- Bu cihazı iletken nesnelerin yakınına yerleştirmeyin.
- Bu cihazı kendiniz onarmaya çalışmayın.
- Ürünün üzerine su dolu bir bardak koymayın.
- Manyetik kaynakların yakınına monte etmeyin.
- Havalandırma açıklıklarını kapatmayın.
- Ürünün üzerine ağır nesneler koymayın.
- Kamerayı kurarken/sökerken lütfen koruyucu eldiven giyin.
  Ürünün yüksek sıcaklıktaki yüzeyi yanmaya neden olabilir.

Kullanım Kılavuzu, ürünlerin nasıl kullanılabileceğini gösteren bir kılavuz kitaptır.

Kitaptaki kullanım sembolü şu anlamlara gelmektedir.

- Referans : Ürünün kullanımına yardımcı olacak bilgiler sağlandığında
- Uyarı : Talimata uyulmaması nedeniyle ürünün zarar görmesi veya yaralanma olasılığı söz konusuysa

※ Lütfen bu kılavuzu ürünleri kullanmadan önce güvenliğiniz için okuyun ve güvenli bir yerde saklayın.

Ayrı olarak satın aldığınız üçüncü taraf ürünlerinin (örn. lensler, aksesuarlar) kalitesini garanti etmemekteyiz.

Özel kurulum ortamlarında telsiz iletişiminde girişim olabilir.
Ürün ile radyo iletişim cihazı arasında elektromanyetik dalga girişimleri olduğunda, ikisi arasında belirli mesafeyi korumanız veya alıcı antenin yönünü değiştirmeniz önerilir.

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ÖNERİLEN PC ÖZELİKLERİ

- CPU : Intel(R) Core(TM) i7 3.4 GHz veya daha üstü
- RAM : 8G veya üstü
- Önerilen tarayıcı: Chrome
- Desteklenen Tarayıcılar: Chrome, Safari, Firefox, MS Edge(chromium based)
- Desteklenen İşletim Sistemi : Windows, Mac, Linux, Android, iOS, Chrome
- Doğrulama ortamı
  - Windows 10: Google Chrome sürüm 80 veya üstü, Firefox sürüm 72 veya üstü, MS Edge sürüm 83 veya üstü
  - Mac 10.13/14: Safari sürüm 11.0.1 veya üstü

※ Web viewer'ın video oynatma performansı kullanıcının CPU veya GPU'sunun performansına bağlıdır.

TAVSİYE EDİLEN MICRO SD/SDHC/SDXC B ELLEK KARTİ ÖZELLİK

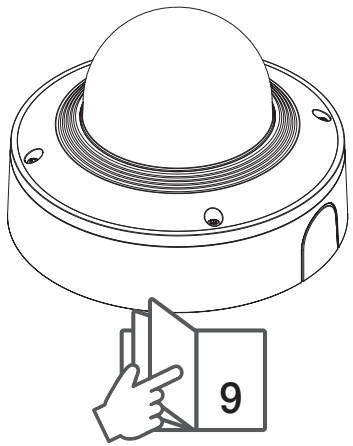
- Önerilen kapasite: 16 GB ila 256 GB (MLC tipi gereklidir)
- Önerilen Üreticiler : SanDisk, Transcend
- Ürün Tipi : Yüksek dayanıklılık
- Uyumluluk, kart üreticilerine ve tiplerine bağlı olarak değişir.

NAS IÇIN ÖNERILEN TEKNIK ÖZELLIKLER

- Önerilen kapasite : 200GB veya üstü önerilir.
- Bu kamera için, aşağıdaki üretici teknik özelliklerine sahip bir NAS kullanmanız önerilir.
  Önerilen ürünler : QNAP NAS, Synology NAS

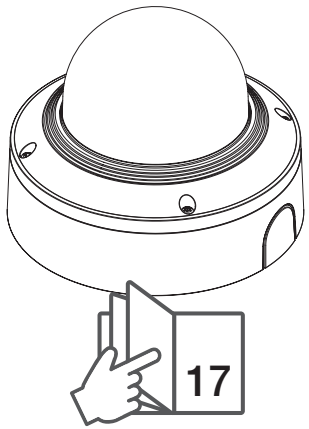
Dış Mekan Vandal Dom Kamera

PNV-A9081R



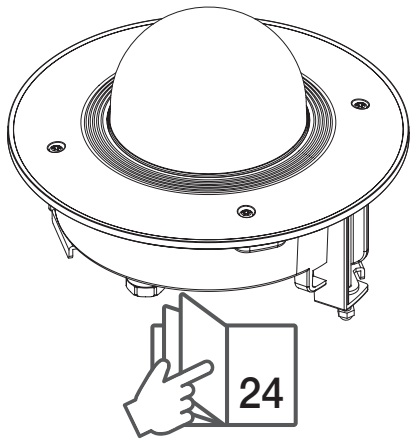
İç Mekan Dom Kamera

PND-A9081RV



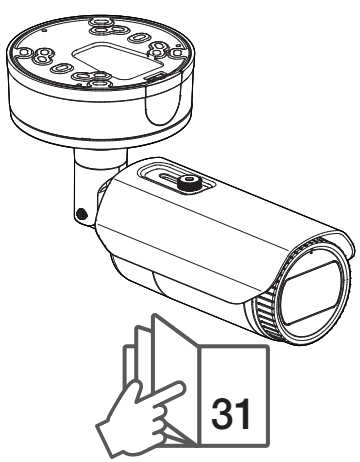
Gömme Dom Kamera

PND-A9081RF



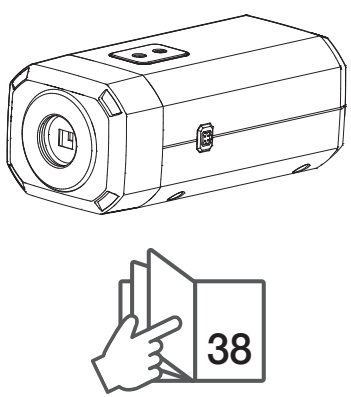
Dış Mekan Mermi Kamera

PNO-A9081R



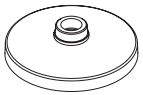
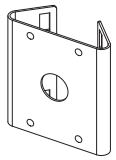
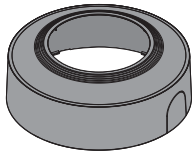
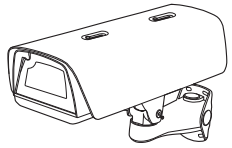
Kutu Kamera

PNB-A9001



KURULUM IÇIN İSTEĞE BAĞLI AKSESUARLAR

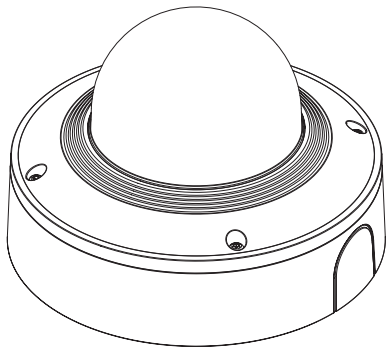
Mevcut isteğe bağlı aksesuarları satın alabilirsiniz.

Model Adı	Montaj askısı	Direğe montaj	Üst kaplama	Kasa	Tümü
PNV-A9081R	SBP-187HMW		SBC-180B (Siyah)		SBP-300LMW (Parapet Montajı) SBP-300CMW (Tavana Montaj) SBP-300WMW (Duvara Montaj) SBP-300WMW1 (Duvara Montaj) SBP-300NBW (Montaj Kutusu) SBP-300NBW (Duvara Montaj Tabanı) SBP-300PMW (Direğe Montaj) SBP-300KMW (Köşeye Montaj)
PND-A9081RV	SBP-167HMW		SBC-160B (Siyah)		
PNO-A9081R		SBP-302PM			
PNB-A9001				SHB-4300HP	

DAHİL OLANLAR

Satış yapılan her ülkede aksesuar aynı değildir.



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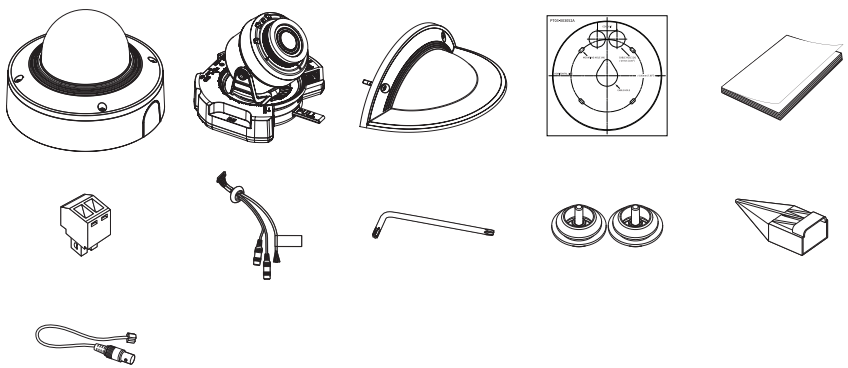
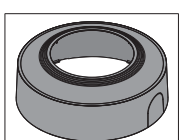
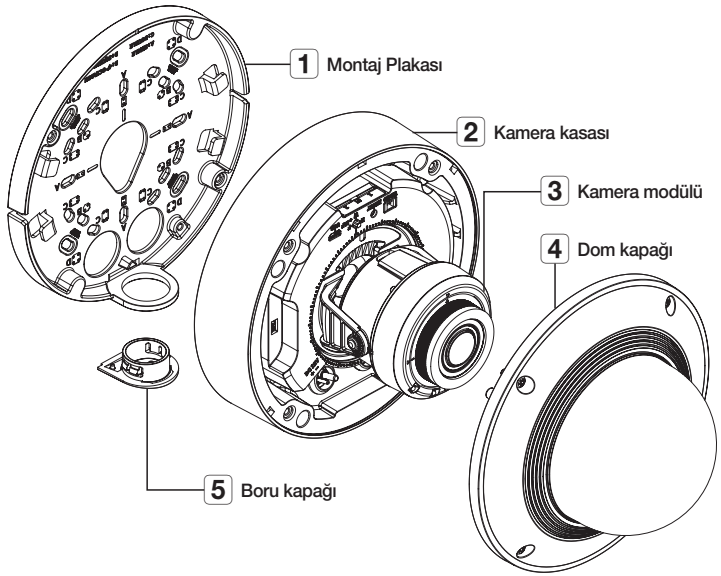


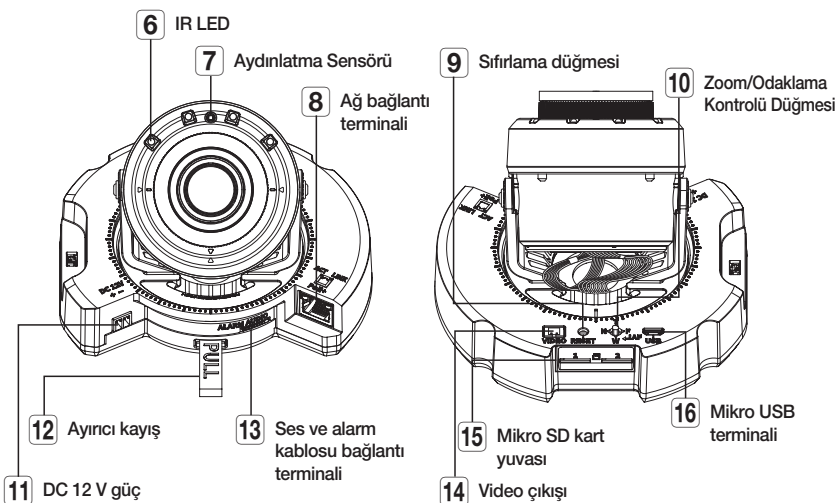
İsteğe bağlı (dahil değil)



SBC-180B
(Renk: Siyah)

İLK BAKİŞ





KURULUM

- Bu fotoğraf makinesi, su geçirmezdir ve IP67 / IP6K9K şartnamesine uygundur, ancak harici kabloya bağlanan jak uygun değildir. Kablonun tamamen açıkta kalmasını önlemek için bu ürünü saçak kenarlarının altına yüklemeniz önerilir.

Kurulumdan Önce Alınması Gereken Önlemler

Kamerayı kurmadan önce aşağıdaki talimatları mutlaka okuyun:

- Kamera ağırlığının en az 5 katını taşıyabilecek bir kurulum yeri seçin.
- Sıkıştırılmış veya soyulmuş kablolar hasara neden olabilir veya yangın çıkarabilir.
- Güvenlik açısından, kurulum alanında kimsenin bulunmamasını sağlayın. Her ihtimale karşı özel eşyalarınızı kurulum alanından uzak tutun.
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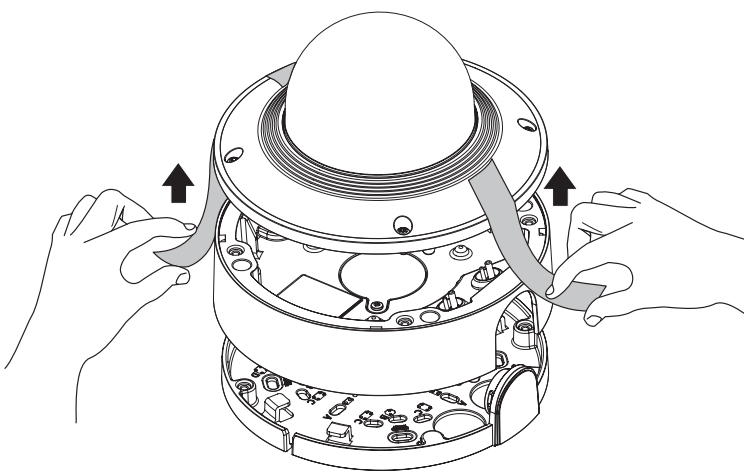
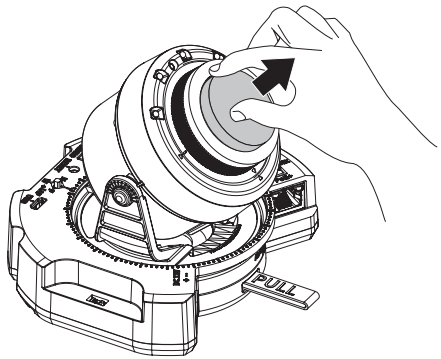
1. Kamera kasasını sabitleyen bandı çıkarın.



2. Kamera lensini koruyan kılıfı çıkarın.



Micro SD Bellek Kartının Takılması

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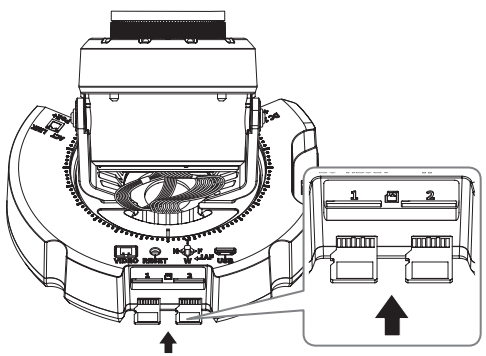

- Kamerayı takmadan önce, güç kaynağı ve gövde ayrı durumdayken Micro SD bellek kartı takılmalıdır.
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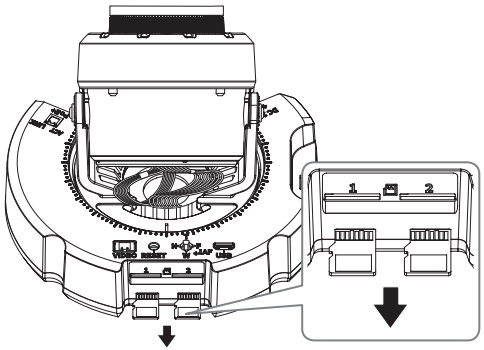

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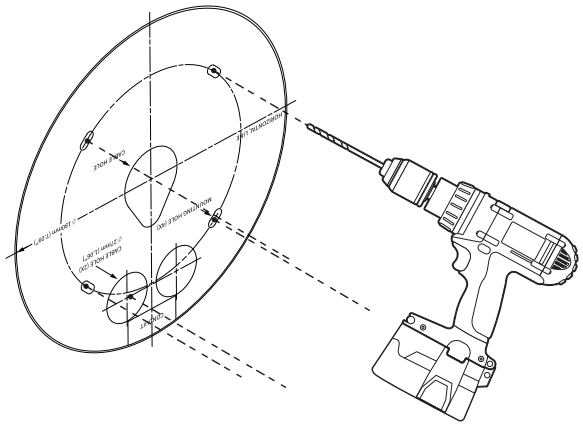

1-2. Montaj plakasını uygun vidalar kullanarak sabitleyin.

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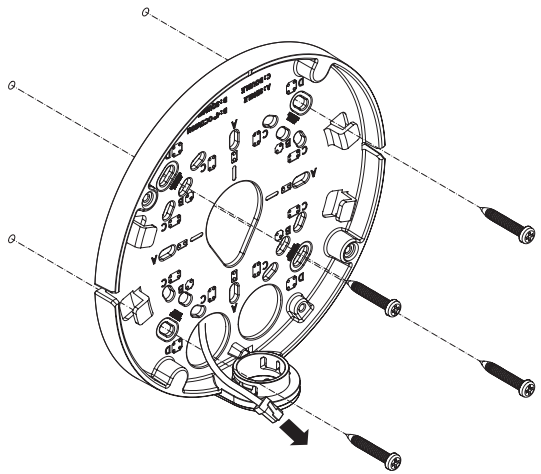
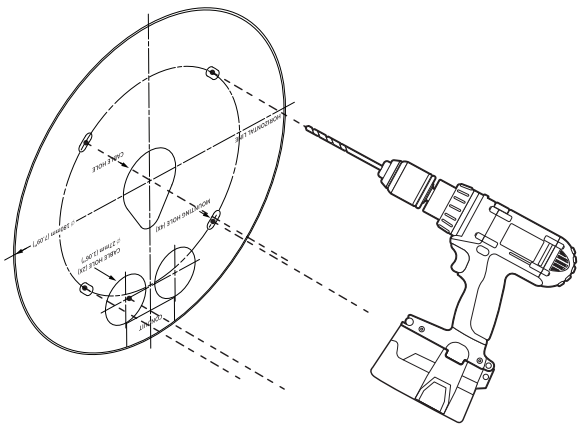
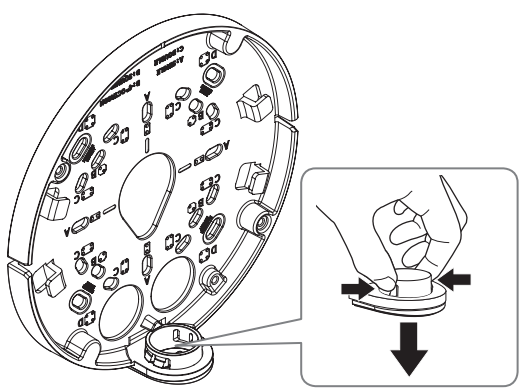


[Boru aracılığıyla takma]

2-1. Montaj şablonunu takın ve vidalar ile kablolar için delikler açın.



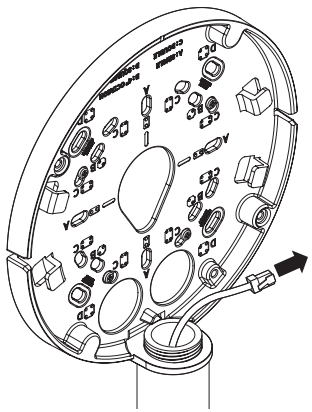
2-2. Montaj plakasının boru kapağını yan taraflarına bastırarak ayırın.



2-3. Boruyu montaj plakasına yerleştirin.

2-4. Montaj plakasını uygun vidalar kullanarak sabitleyin.

2-5. Borunun içinden LAN/güç/ses ve alarm kabloları arasındaki gerekli kabloları çekerek çıkarın.



Takma işlemi (kamera kasası)

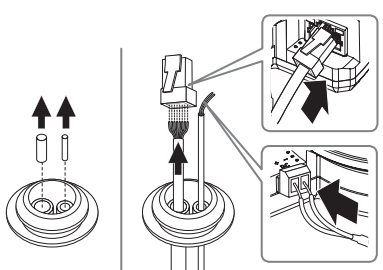
- Bağlanmak için, LAN kablosu ile uyumlu bir kablo burcu kullanın.
  - Ana kamera: çapı Ø5 ila 6,5 olan bir kablo kullanın
  - Bileşenler: çapı Ø5 ila 8,5 olan bir kablo kullanın

[LAN/güç kablolarının takılması]

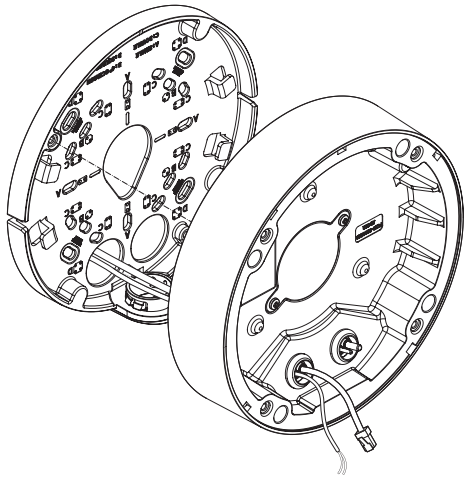
1-1. Kullanılacak olan burcun dışarı çıkmış parçalarını çekerek koparın.

1-2. LAN kablosunu burcun büyük deliğinden geçirin ve LAN konektörüne bağlayın.

1-3. (Güç kullanılırken) Güç kablosunu burcun küçük deliğinden geçirin ve temin edilen terminal bloğuna bağlayın.



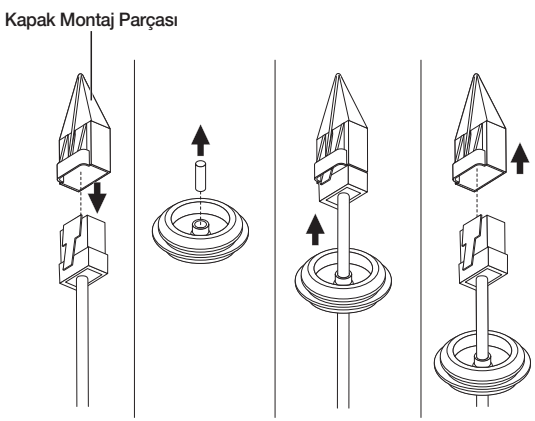
1-4. Burcu kamera kasasına monte edin.



[LAN kablosunun takılması] (IP66)

2-1. Temin edilen 1 delikli burcun dışarı çıkmış parçasını çekerek koparın.

2-2. RJ45 kablosundan geçirmek için kapak montaj parçasını kullanın.



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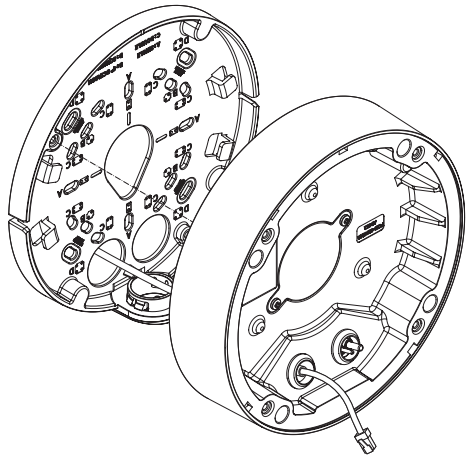
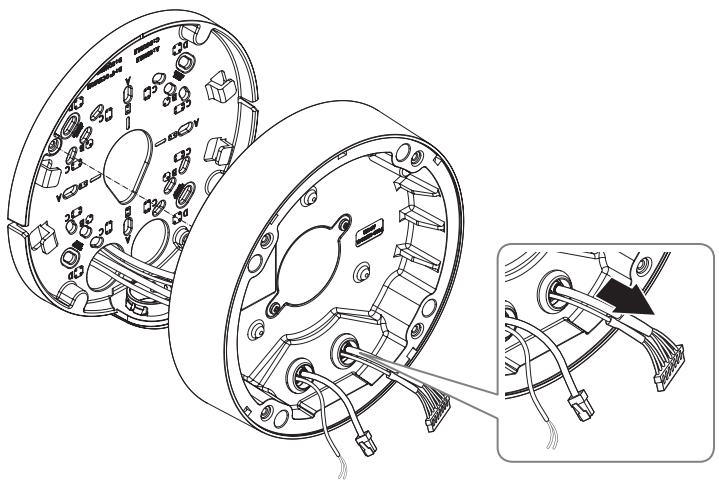
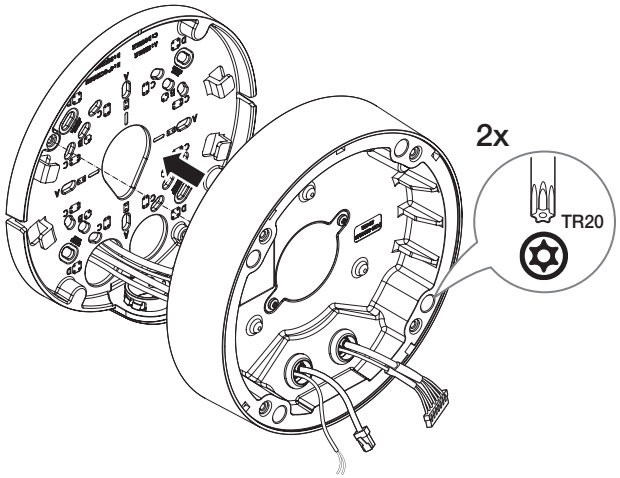


[Ses ve alarm kablolarının takılması]

3-1. Temin edilen ses ve alarm kablolarının burcunu kamera kasasına takın.



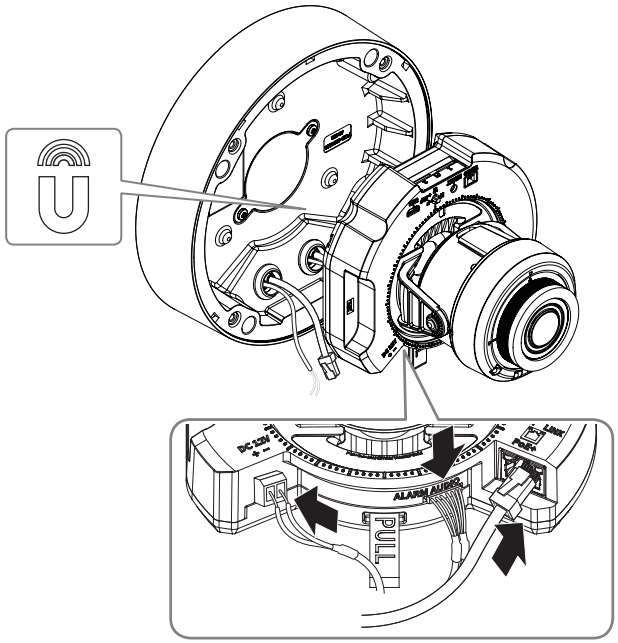
4. Montaj plakasını kamera kasası ile birleştirin.



Kamera modülünün takılması

1. LAN/güç/ses ve alarm kablolarını kamera modülü terminaline bağlayın.
2. Kamera modülünü kasaya takın.

- Modülün altında gömülü bir mıknatıs bulunmaktadır.
- Montaj yüzeyleri arasında yabancı cisimlerin bulunmamasına dikkat edin.



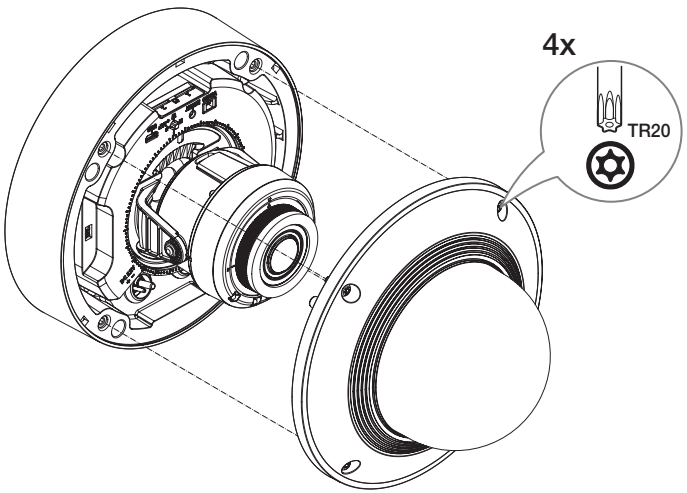
3. "**Kameranın izleme yönünün ayarlanması**" bölümüne bakarak lensi istenen yöne ayarlayın. (sayfa 42)

Dom kapağının montajı

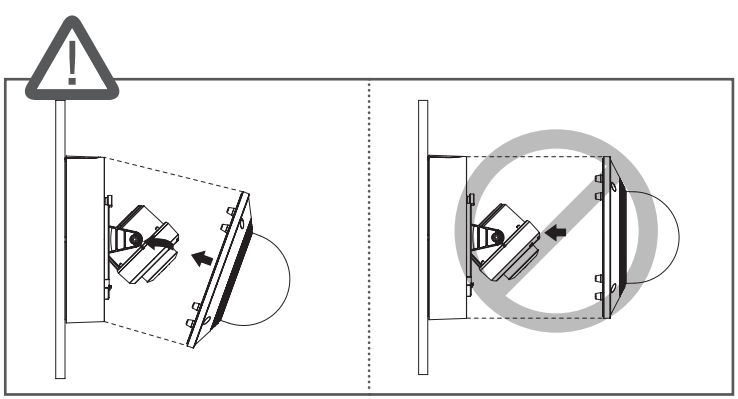
[Doğrudan duvara/tavana montaj]

1. Dom kapağını monte edin.

- Su hasarı sorunu çıkmaması için, sabitleme cıvatalarını iyice sıktığınızdan emin olun.

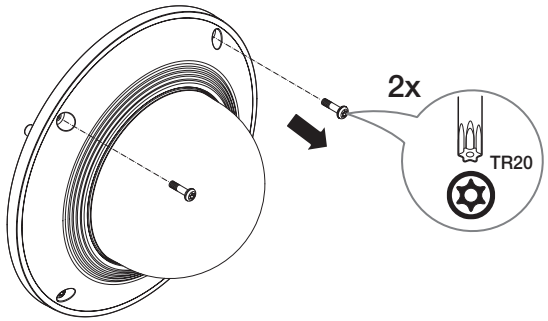


- Kameranızın izleme yönünü değiştirmemeye dikkat edin.



[Yağmur başlığının kullanımı]

1. Dom kapağındaki vidaları sökün.



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3. Yağmur başlığını dom kapağına takın ve vidaları sıkın.

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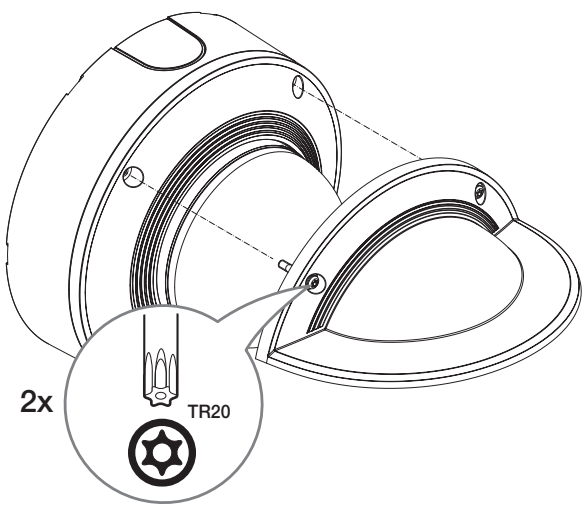
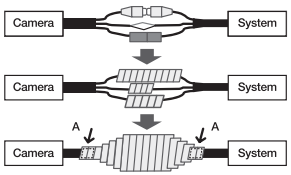


Dış mekan montajı

Cihazı binanın dışına monte ettiğinizde, lütfen butil plastik bantla (mağazalardan alınabilir) su yalıtımı sağlayın, böylece dışarıya bağlanan kablo açıklığından sıvı sızıntısı olmaz.

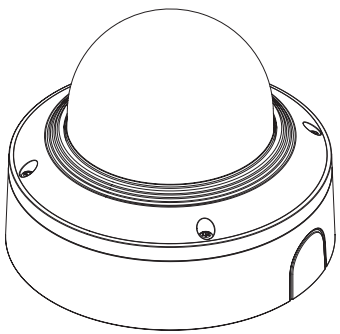
1. Güç, G/Ç ve LAN kablolarını bağlayın.
2. Siyah kablo kaplamasını (Alan A) ve kablo bağlantı alanını butil plastik bandın yarısından fazlası üst üste gelecek şekilde su geçirmez (butil plastik) bantla sarın.



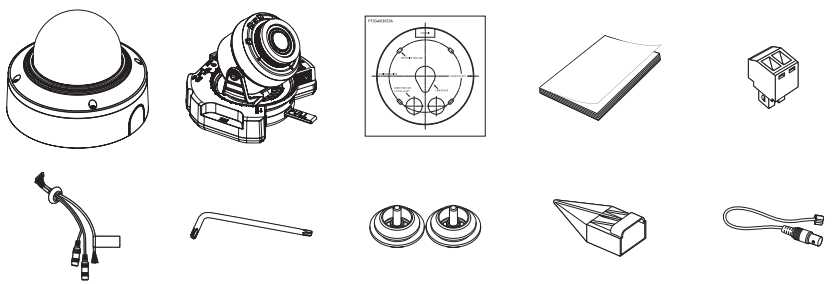
- Kablo kaplamasının su geçirmezliği düzgün sağlanmadığında bu durum doğrudan sızıntıya neden olabilir. Kabloyu yoğun bir bant katmanıyla koruduğunuzdan emin olun.
- Su geçirmez butil bant, normal uzunluğunun iki katına kadar esnetilebilen butil plastikten yapılmıştır.

DAHİL OLANLAR

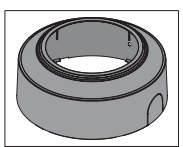
Satış yapılan her ülkede aksesuar aynı değildir.



<PND-A9081RV>

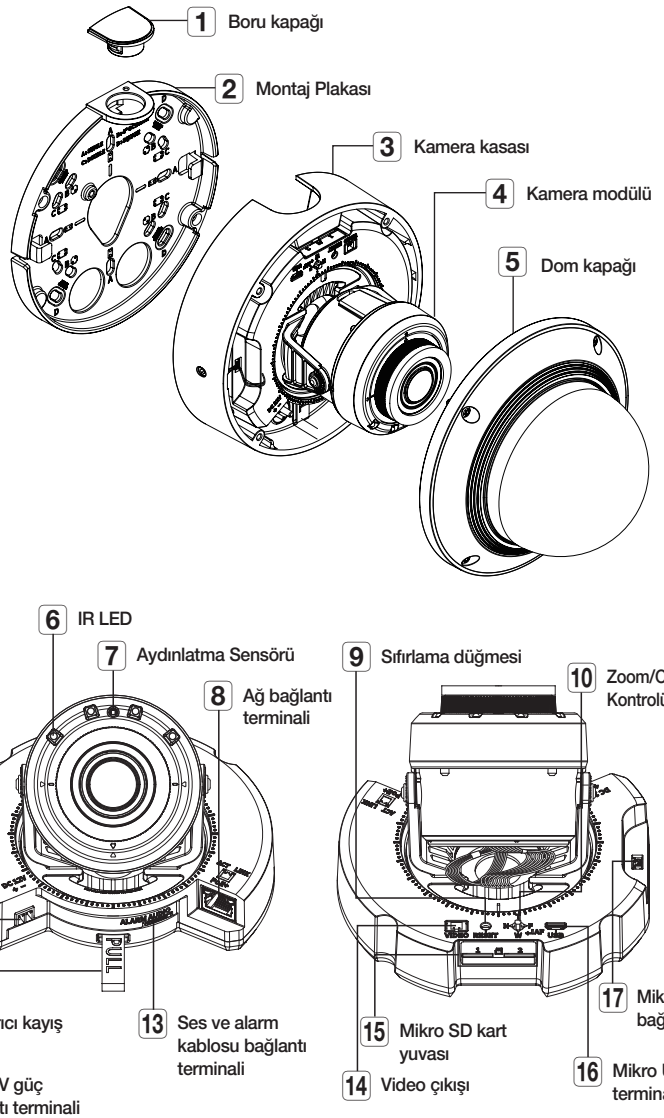


İsteğe bağlı (dahil değil)



SBC-160B
(Renk: Siyah)

İLK BAKİŞ



KURULUM

- Bu fotoğraf makinesi, su geçirmezdir ve IP52 şartnamesine uygundur, ancak harici kabloya bağlanan jak uygun değildir. Kablonun tamamen açıkta kalmasını önlemek için bu ürünü saçak kenarlarının altına yüklemeniz önerilir.

Kurulumdan Önce Alınması Gereken Önlemler

Kamerayı kurmadan önce aşağıdaki talimatları mutlaka okuyun:

- Kamera ağırlığının en az 5 katını taşıyabilecek bir kurulum yeri seçin.
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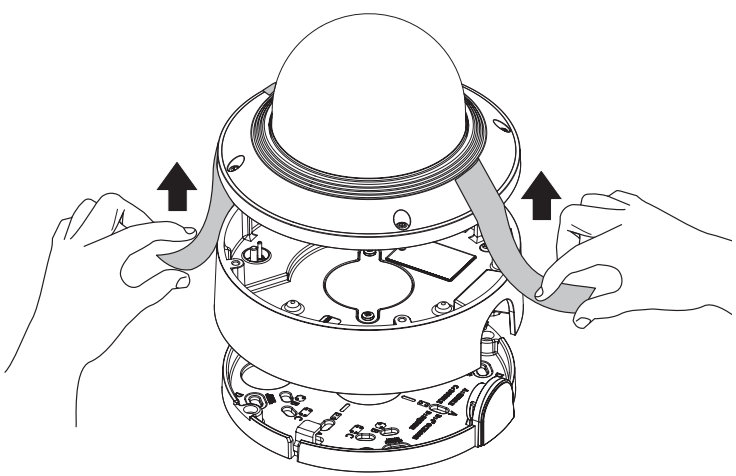

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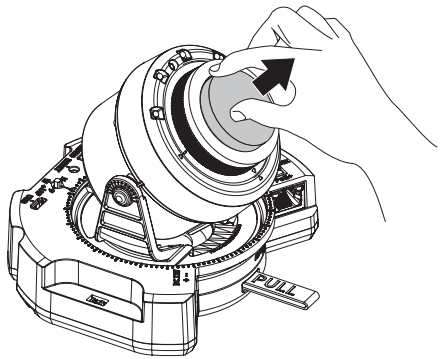

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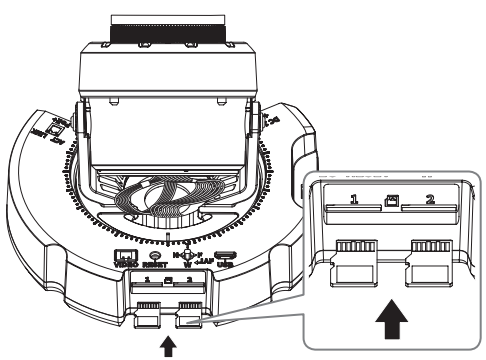

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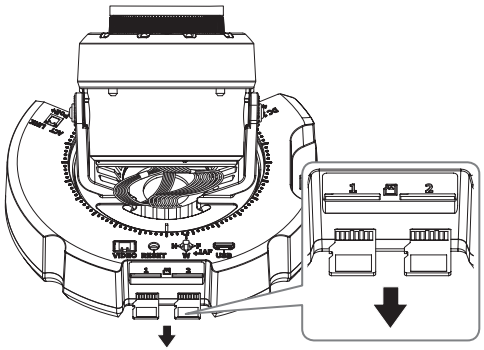

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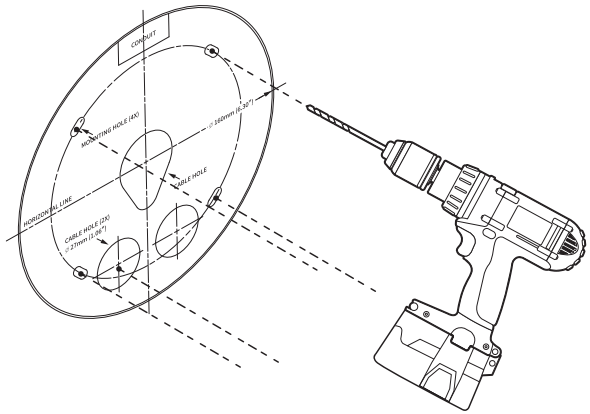

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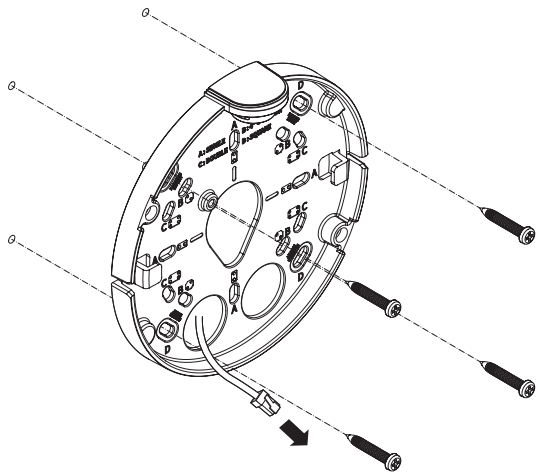

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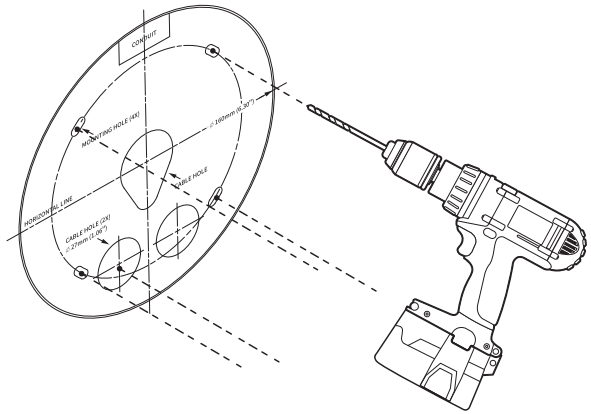

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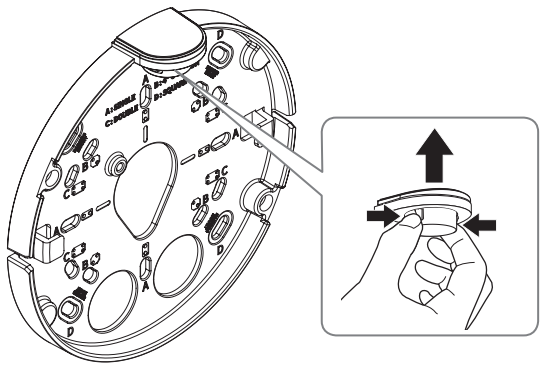

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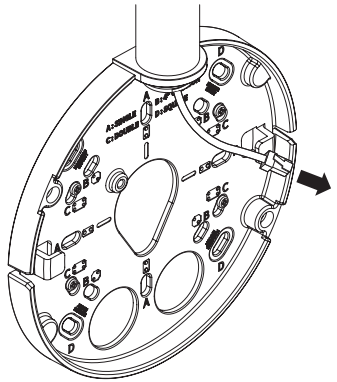
2-4. Montaj plakasını uygun vidalar kullanarak sabitleyin.

2-5. Borunun içinden LAN/güç/ses ve alarm kabloları arasındaki gerekli kabloları çekerek çıkarın.



Takma işlemi (kamera kasası)

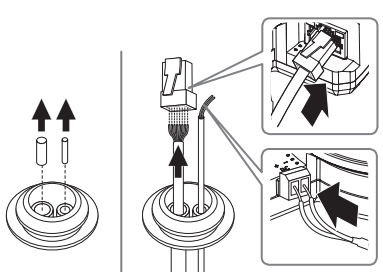
- Bağlanmak için, LAN kablosu ile uyumlu bir kablo burcu kullanın.
  - Ana kamera: çapı Ø5 ila 6,5 olan bir kablo kullanın
  - Bileşenler: çapı Ø5 ila 8,5 olan bir kablo kullanın

[LAN/güç kablolarının takılması]

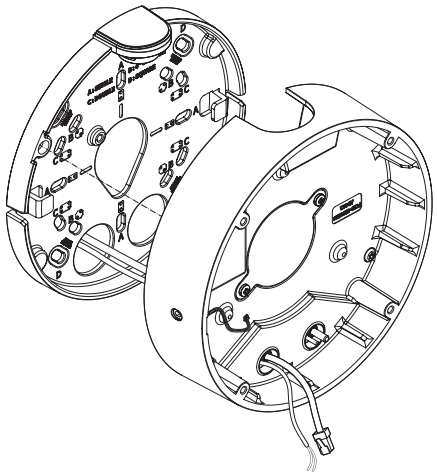
1-1. Kullanılacak olan burcun dışarı çıkmış parçalarını çekerek koparın.

1-2. LAN kablosunu burcun büyük deliğinden geçirin ve LAN konektörüne bağlayın.

1-3. (Güç kullanılırken) Güç kablosunu burcun küçük deliğinden geçirin ve temin edilen terminal bloğuna bağlayın.



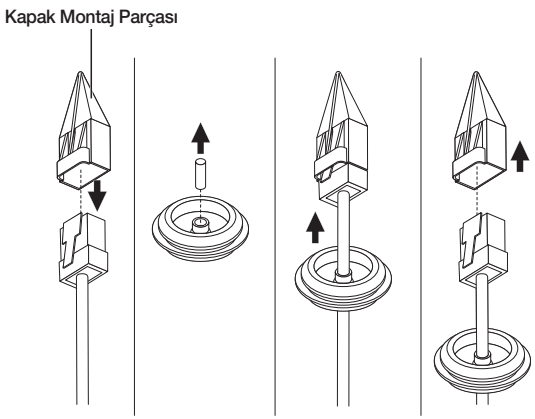
1-4. Burcu kamera kasasına monte edin.



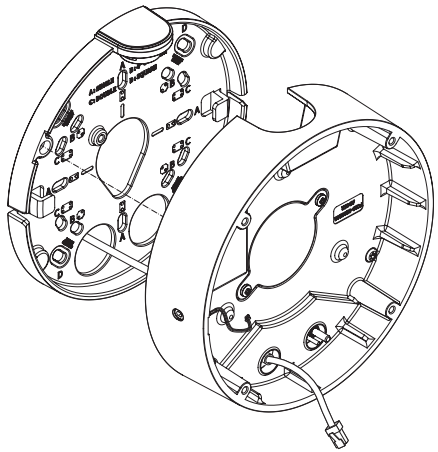
[LAN kablosunun takılması]

2-1. Temin edilen 1 delikli burcun dışarı çıkmış parçasını çekerek koparın.

2-2. RJ45 kablosundan geçirmek için kapak montaj parçasını kullanın.

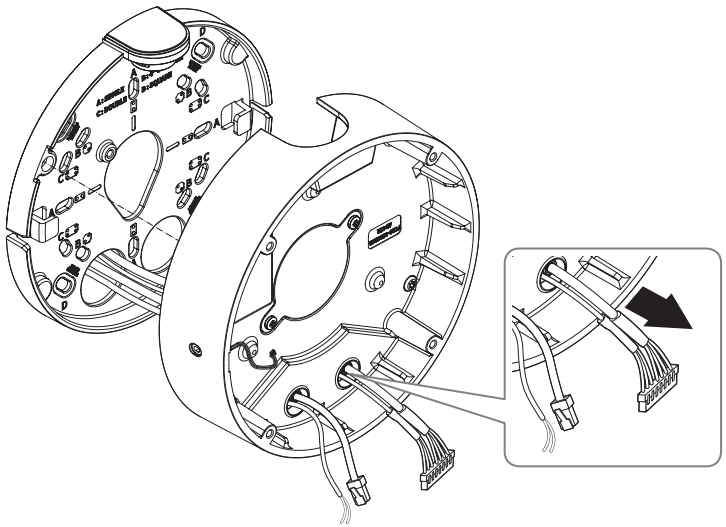


2-3. Burcu kamera kasasına monte edin.

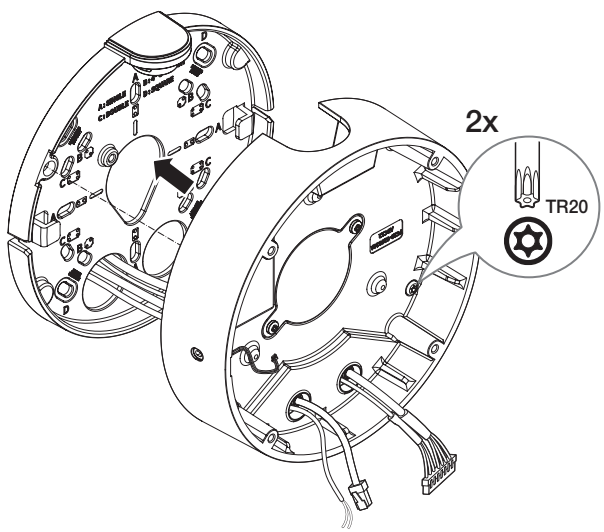


[Ses ve alarm kablolarının takılması]

3-1. Temin edilen ses ve alarm kablolarının burcunu kamera kasasına takın.



4. Montaj plakasını kamera kasası ile birleştirin.



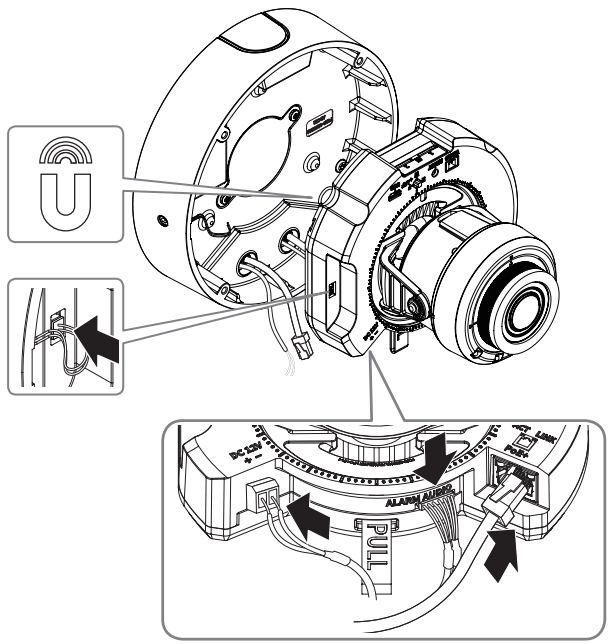
Kamera modülünün takılması

1. LAN/güç/ses ve alarm kablolarını kamera modülü terminaline bağlayın.

2. Kamera modülünü kasaya takın.

- Modülün altında gömülü bir mıknatıs bulunmaktadır.
- Montaj yüzeyleri arasında yabancı cisimlerin bulunmamasına dikkat edin.

3. Mikrofon kablosunu kamera modülüne bağlayın.



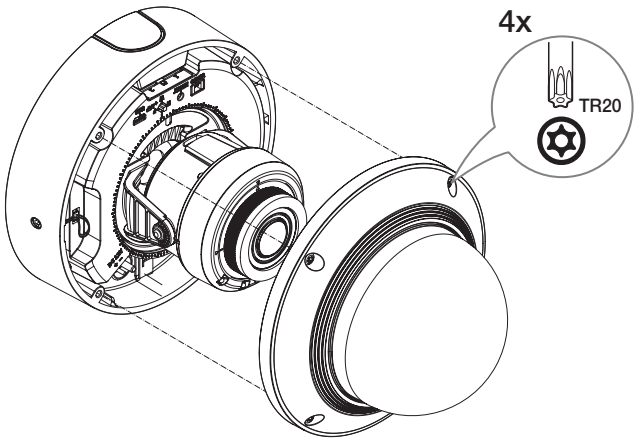
4. "**Kameranın izleme yönünün ayarlanması**" bölümüne bakarak lensi istenen yöne ayarlayın. (sayfa 42)

Dom kapağının montajı

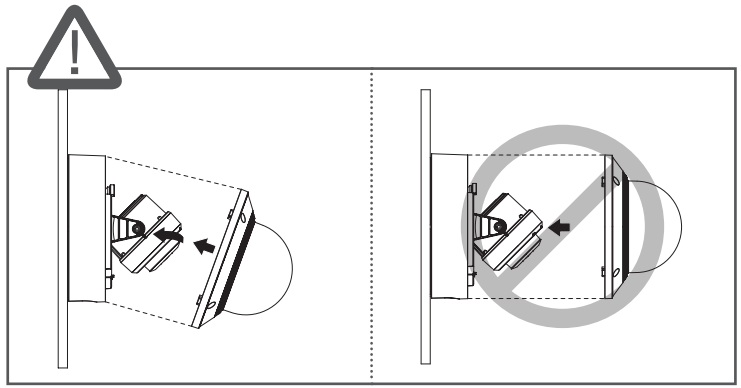
[Doğrudan duvara/tavana montaj]

1. Dom kapağını monte edin.

- Su hasarı sorunu çıkmaması için, sabitleme cıvatalarını iyice sıktığınızdan emin olun.

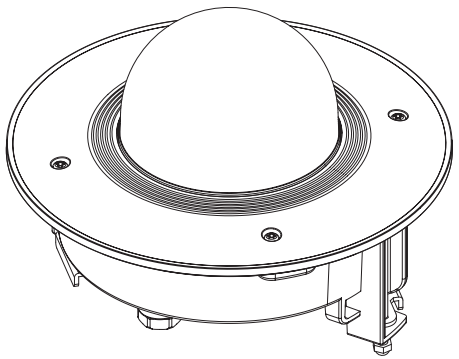


- Kameranızın izleme yönünü değiştirmemeye dikkat edin.

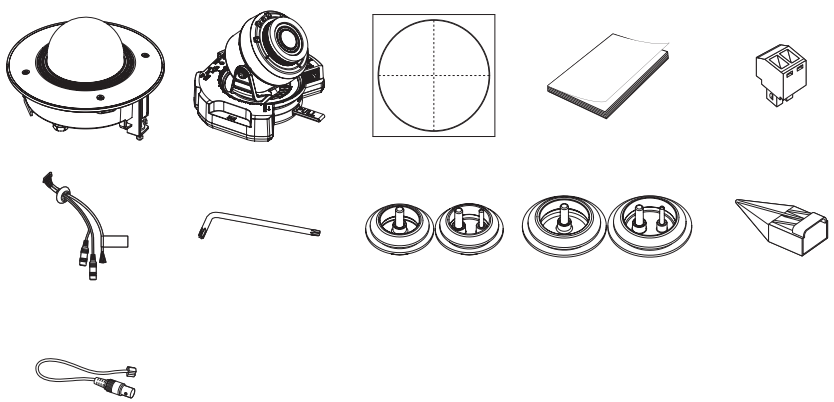


DAHİL OLANLAR

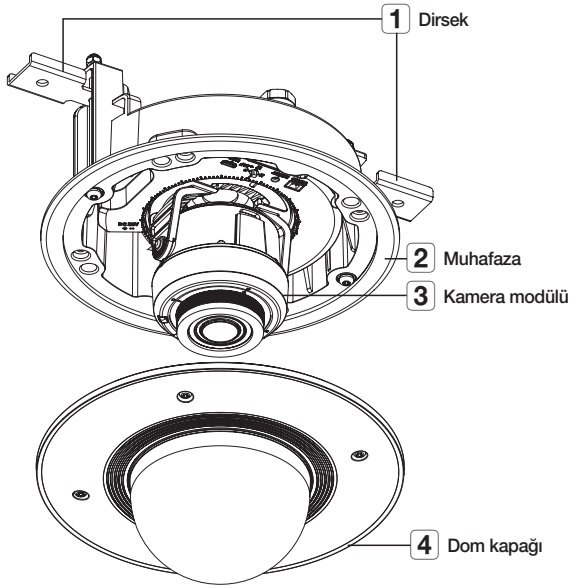
Satış yapılan her ülkede aksesuar aynı değildir.

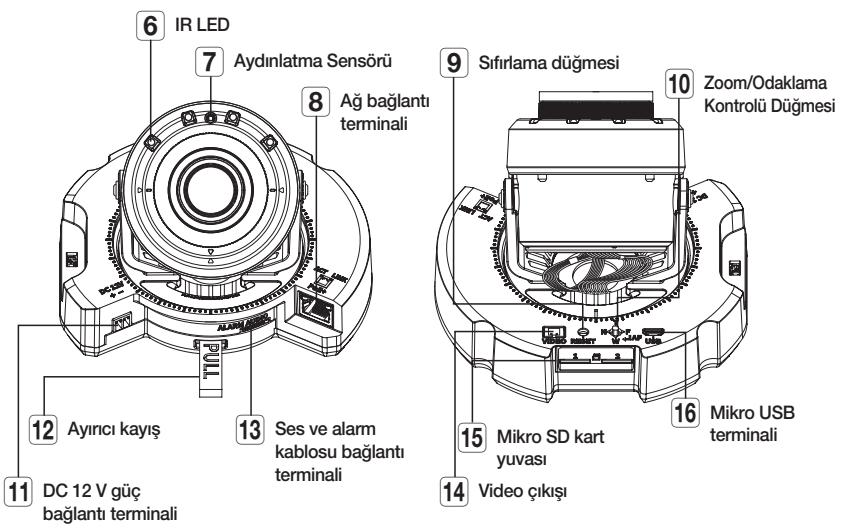


<PND-A9081RF>



İLK BAKİŞ





KURULUM

- Bu fotoğraf makinesi, su geçirmezdir ve IP52 şartnamesine uygundur, ancak harici kabloya bağlanan jak uygun değildir. Kablonun tamamen açıkta kalmasını önlemek için bu ürünü saçak kenarlarının altına yüklemeniz önerilir.

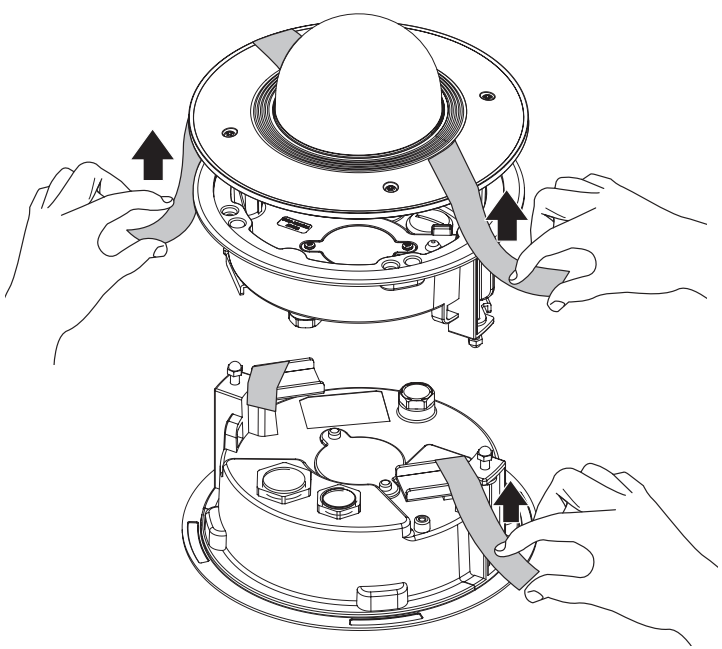
Kurulumdan Önce Alınması Gereken Önlemler

Kamerayı kurmadan önce aşağıdaki talimatları mutlaka okuyun:

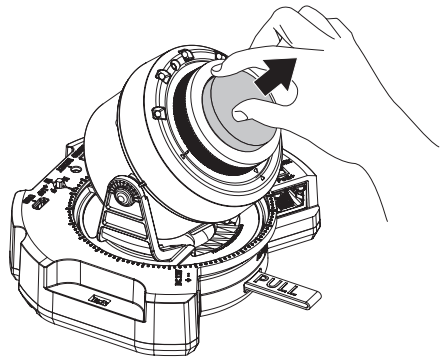
- Kamera ağırlığının en az 5 katını taşıyabilecek bir kurulum yeri seçin.
- Sıkıştırılmış veya soyulmuş kablolar hasara neden olabilir veya yangın çıkarabilir.
- Güvenlik açısından, kurulum alanında kimsenin bulunmamasını sağlayın. Her ihtimale karşı özel eşyalarınızı kurulum alanından uzak tutun.
- Ürün aşırı kuvvet uygulanarak kurulursa parçalar bozulabilir ve bu da kameraya zarar verebilir Montajı, uygun olmayan aletlerle yapmaya çalışmak ürüne zarar verebilir.

Sökme işlemi

1. Kamera kasasını sabitleyen bandı çıkarın.

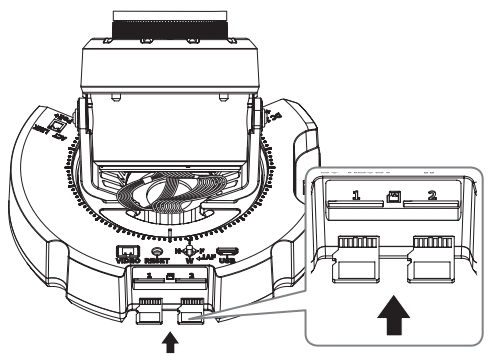


2. Kamera lensini koruyan kılıfı çıkarın.



Micro SD Bellek Kartının Takılması

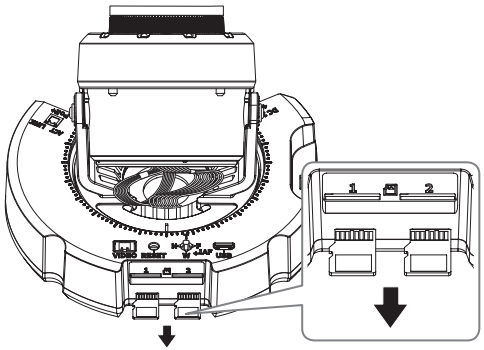
Mikro SD kartı, kamera modülündeki Micro SD yuvasına ok işareti yönünde kaydırarak takın.



- Kamerayı takmadan önce, güç kaynağı ve gövde ayrı durumdayken Micro SD bellek kartı takılmalıdır.
- Zorlayarak ters yönde takmaya çalışmayın. Bu, Micro SD bellek kartınıza ve ürününüze zarar verebilir.
- Micro SD kartın yağmur yağarken ya da nem yüksek olduğunda takılması veya çıkarılması önerilmez.
- Micro SD bellek kartını takarken/sökerken, parçaların kaybolması veya düşmesi nedeniyle meydana gelebilecek kazaları önlemek için, üzerinde çalışmadan önce ürün gövdesini düz bir yere koyduğunuzdan emin olun.

Micro SD Bellek Kartının Çıkarılması

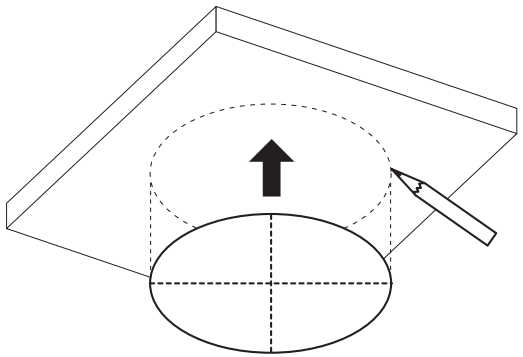
Hafıza kartını yuvasından çıkartmak için şemada gösterildiği gibi hafıza kartının açık tarafından yavaşça basın.

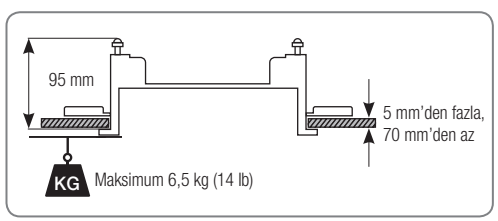


- Micro SD bellek kartını çıkartmadan önce, <**Depolama**> alanında, cihazı <**Kapalı**> duruma getirin ve [**Uygula**] düğmesine basarak kamerayı kapatın.
- Fotoğraf makinesini kapatırsanız veya üründen veriler içeren Micro SD bellek kartını çıkarırsanız, veriler kaybolabilir veya hasar görebilir.

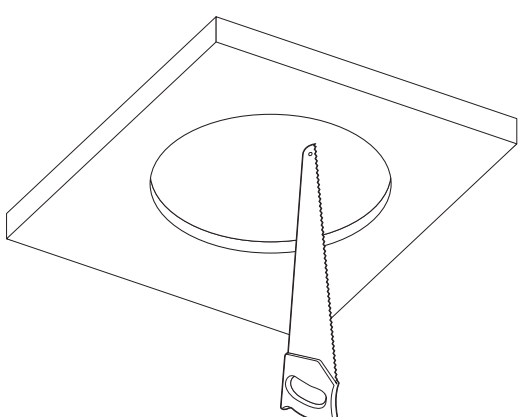
Takma işlemi (muhafaza)

1. Montaj şablonunu tavana takın ve yerini bir kurşun kalemle işaretleyin.





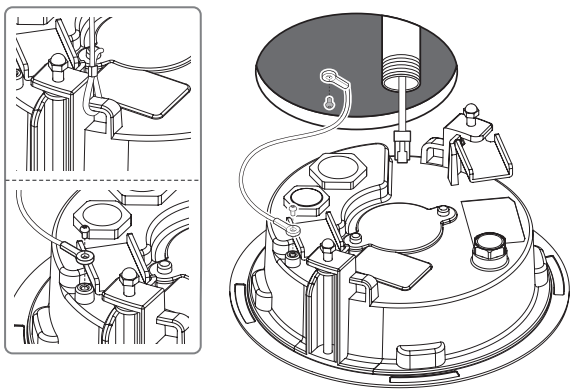
2. Montaj şablonunu takın ve delikleri açın.



3. Güvenlik kablosunu bağlayın.

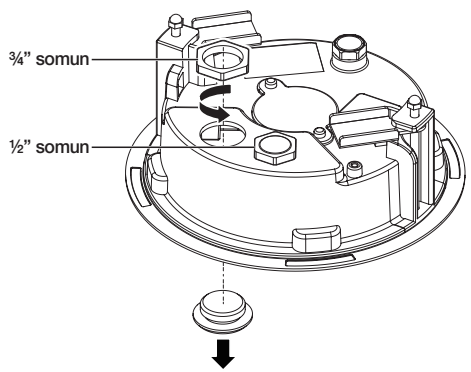
- Güvenlik kablosu temin edilmemiştir.

örn.

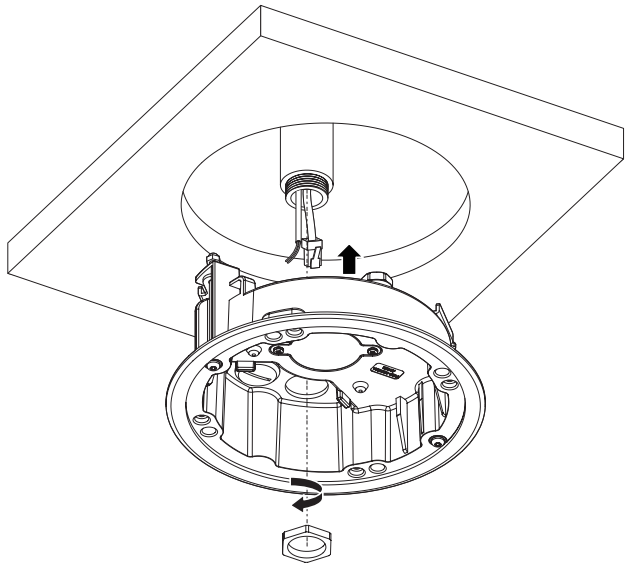


[Boru kullanımı]

4-1. Boruyu bir tertibat deliğine takın.



4-2. Borunun içinden LAN/güç/ses ve alarm kabloları arasındaki gerekli kabloları çekerek çıkarın.



Takma işlemi (kamera kasası)

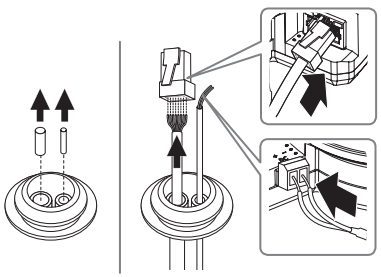
- Bağlanmak için, LAN kablosu ile uyumlu bir kablo burcu kullanın.
  - Bileşenler: çapı Ø5 ila 8,5 olan bir kablo kullanın

[LAN/güç kablolarının takılması]

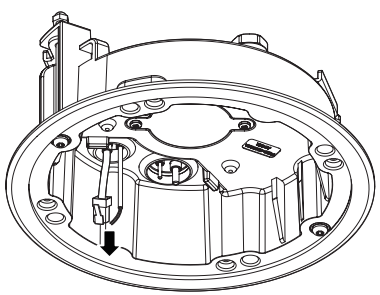
1-1. Kullanılacak olan burcun dışarı çıkmış parçalarını çekerek koparın.

1-2. LAN kablosunu burcun büyük deliğinden geçirin ve LAN konektörüne bağlayın.

1-3. (Güç kullanılırken) Güç kablosunu burcun küçük deliğinden geçirin ve temin edilen terminal bloğuna bağlayın.



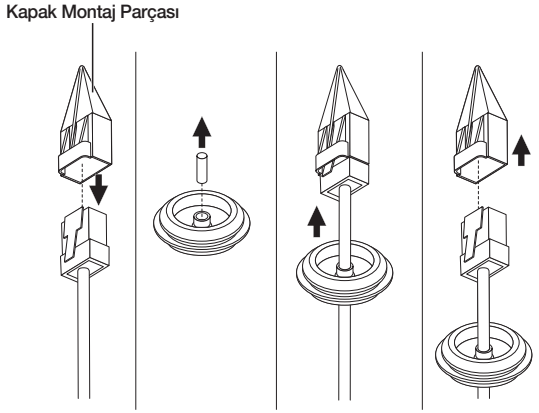
1-4. Burcu muhafazaya monte edin.



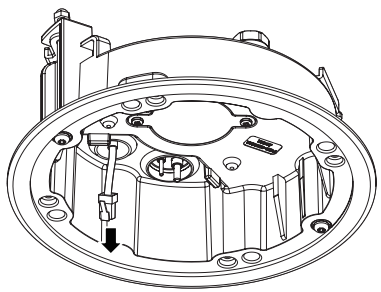
[LAN kablosunun takılması]

2-1. Temin edilen 1 delikli burcun dışarı çıkmış parçasını çekerek koparın.

2-2. RJ45 kablosundan geçirmek için kapak montaj parçasını kullanın.

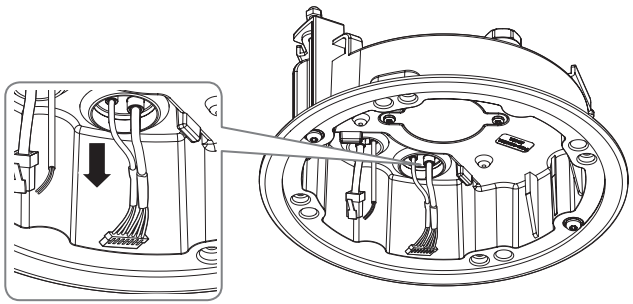


2-3. Burcu muhafazaya monte edin.



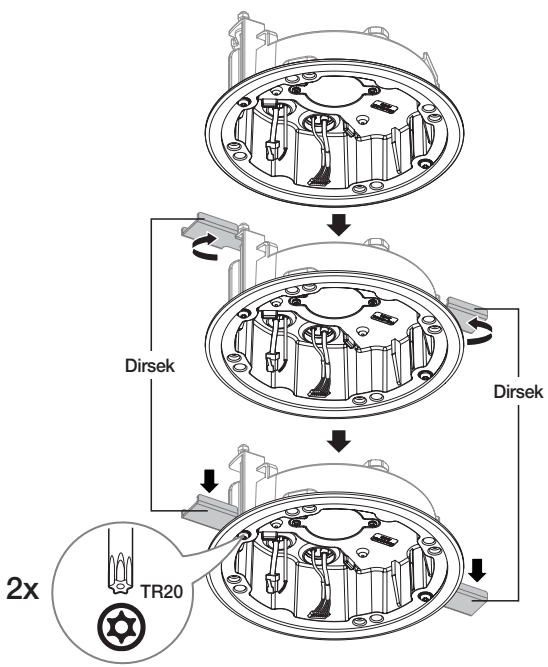
[Ses ve alarm kablolarının takılması]

3-1. Temin edilen ses ve alarm kablolarının burcunu kamera kasasına takın.



4. Muhafazayı tavana sabitlemek için, muhafazadaki vidaları çevirin.

- Dirsek muhafazayı tavana sabitleyecektir.
- Muhafazanın tavana sıkıca sabitlendiğinden emin olun.

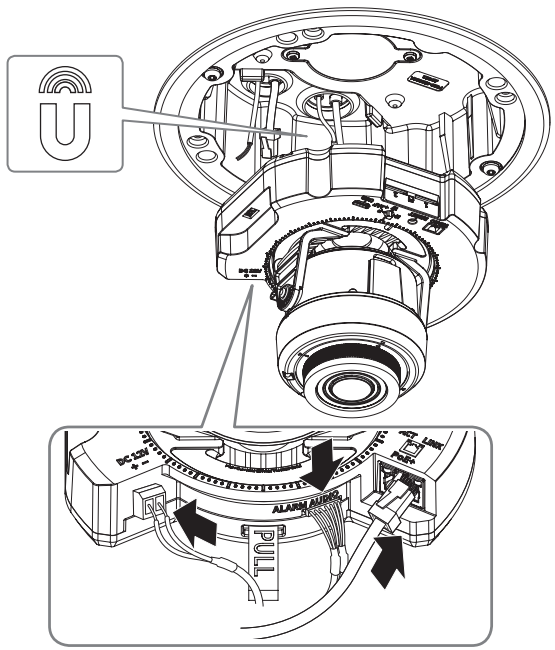


Kamera modülünün takılması

1. LAN/güç/ses ve alarm kablolarını kamera modülü terminaline bağlayın.

2. Kamera modülünü kasaya takın.

- Modülün altında gömülü bir mıknatıs bulunmaktadır.
- Montaj yüzeyleri arasında yabancı cisimlerin bulunmamasına dikkat edin.

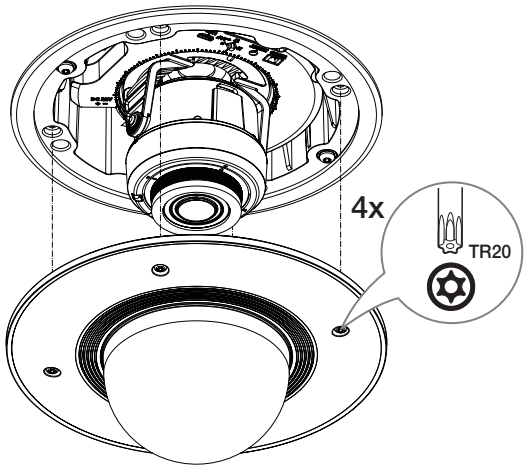


3. "**Kameranın izleme yönünün ayarlanması**" bölümüne bakarak lensi istenen yöne ayarlayın. (sayfa 42)

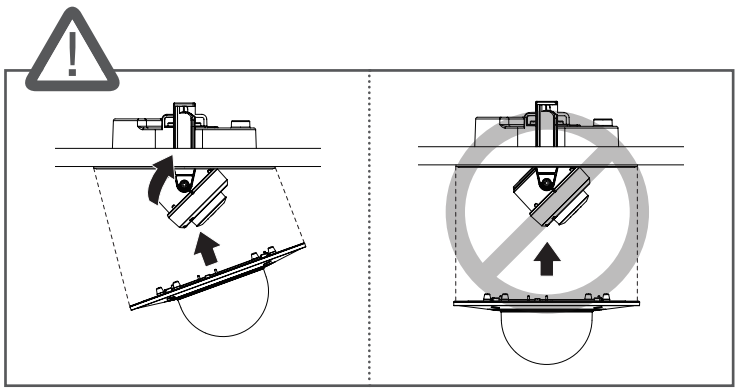
Dom kapağının montajı

1. Dom kapağını monte edin.

- Su hasarı sorunu çıkmaması için, sabitleme cıvatalarını iyice sıktığınızdan emin olun.



- Kameranızın izleme yönünü değiştirmemeye dikkat edin.

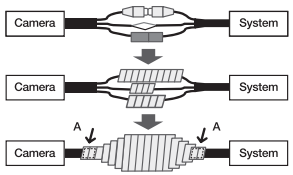


Su sızdırmazlık kabloları

Kablonun boşluğundan nem girişine dair bir olasılık varsa, lütfen ilgili alanı su geçirmez bütil kauçuk bantla (mağazadan satın alınabilir) aşağıda gösterildiği gibi sızdırmaz hale getirin.

1. Güç, G/Ç ve LAN kablolarını bağlayın.

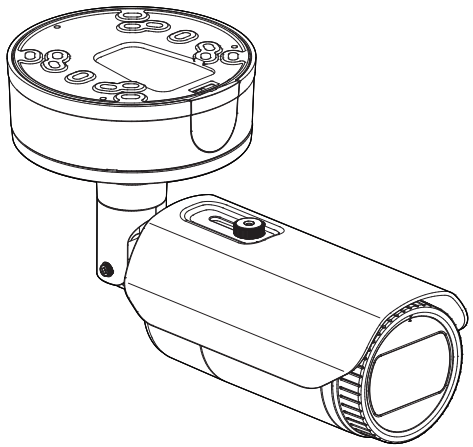
2. Siyah kablo kaplamasını (Alan A) ve kablo bağlantı alanını butil plastik bandın yarısından fazlası üst üste gelecek şekilde su geçirmez (butil plastik) bantla sarın.



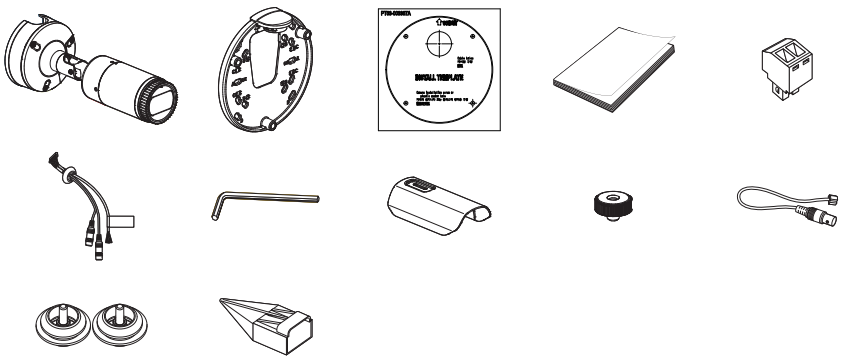
- Kablo kaplamasının su geçirmezliği düzgün sağlanmadığında bu durum doğrudan sızıntıya neden olabilir. Kabloyu yoğun bir bant katmanıyla koruduğunuzdan emin olun.
- Su geçirmez butil bant, normal uzunluğunun iki katına kadar esnetilebilen butil plastikten yapılmıştır.

DAHİL OLANLAR

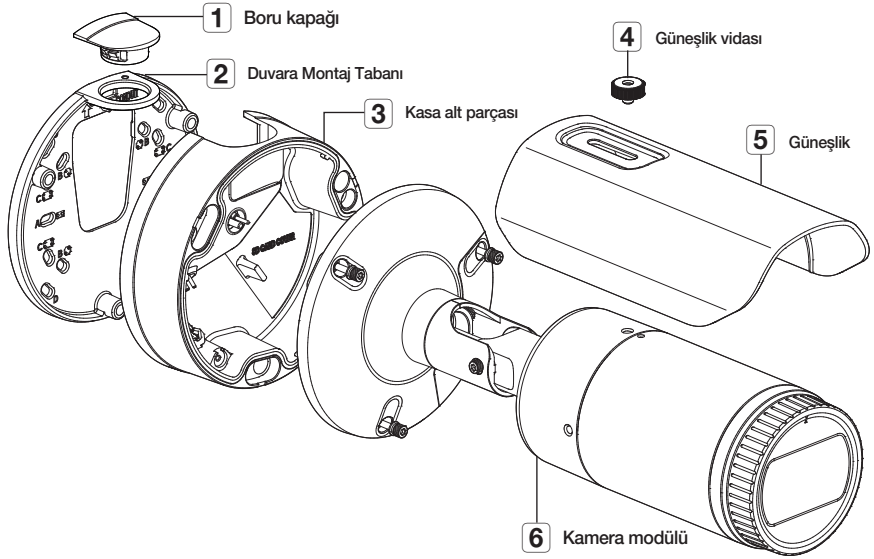
Satış yapılan her ülkede aksesuar aynı değildir.

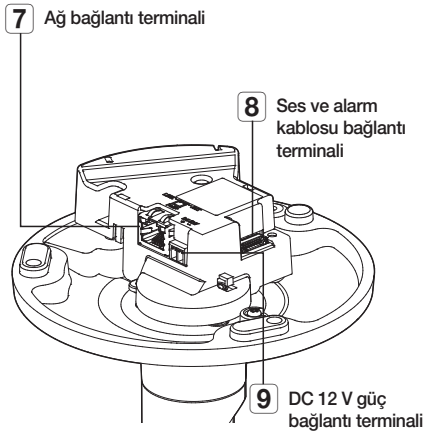


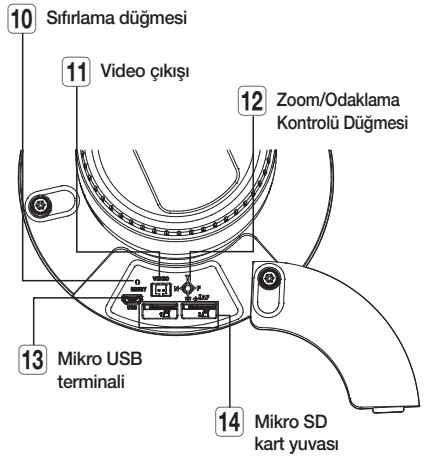
<PNO-A9081R>



İLK BAKİŞ







▪ Objektifin kirli yüzeyini, etanol uyguladığınız bir objektif mendil veya bezle hafifçe silin.

KURULUM

- Bu fotoğraf makinesi, su geçirmezdir ve IP67 şartnamesine uygundur, ancak harici kabloya bağlanan jak uygun değildir. Kablonun tamamen açıkta kalmasını önlemek için bu ürünü saçak kenarlarının altına yüklemeniz önerilir.

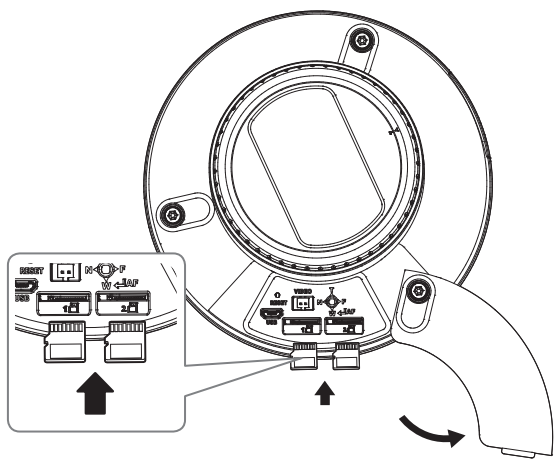
Kurulumdan Önce Alınması Gereken Önlemler

Kamerayı kurmadan önce aşağıdaki talimatları mutlaka okuyun:

- Kamera ağırlığının en az 5 katını taşıyabilecek bir kurulum yeri seçin.
- Sıkıştırılmış veya soyulmuş kablolar hasara neden olabilir veya yangın çıkarabilir.
- Güvenlik açısından, kurulum alanında kimsenin bulunmamasını sağlayın. Her ihtimale karşı özel eşyalarınızı kurulum alanından uzak tutun.
- Ürün aşırı kuvvet uygulanarak kurulursa parçalar bozulabilir ve bu da kameraya zarar verebilir Montajı, uygun olmayan aletlerle yapmaya çalışmak ürüne zarar verebilir.
- Güneşlik deliğini, güneşliği bağlamaktan başka bir amaç için kullanmayın.

Micro SD Bellek Kartının Takılması

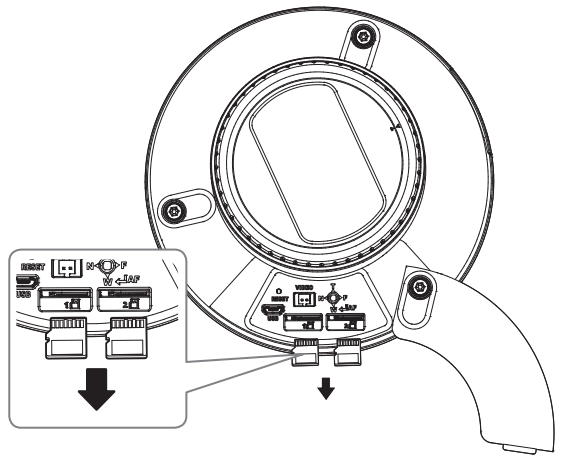
Mikro SD kartı, kamera modülündeki Micro SD yuvasına ok işareti yönünde kaydırarak takın.



- Kamerayı takmadan önce, güç kaynağı ve gövde ayrı durumdayken Micro SD bellek kartı takılmalıdır.
- Zorlayarak ters yönde takmaya çalışmayın. Bu, Micro SD bellek kartınıza ve ürününüze zarar verebilir.
- Micro SD kartın yağmur yağarken ya da nem yüksek olduğunda takılması veya çıkarılması önerilmez.
- Micro SD bellek kartını takarken/sökerken, parçaların kaybolması veya düşmesi nedeniyle meydana gelebilecek kazaları önlemek için, üzerinde çalışmadan önce ürün gövdesini düz bir yere koyduğunuzdan emin olun.

Micro SD Bellek Kartının Çıkarılması

Hafıza kartını yuvasından çıkartmak için şemada gösterildiği gibi hafıza kartının açık tarafından yavaşça basın.

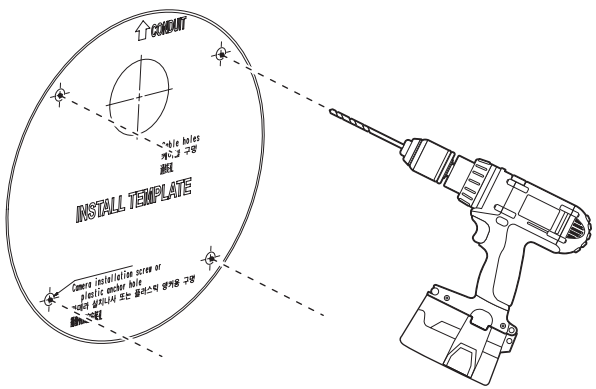


- Micro SD bellek kartını çıkartmadan önce, <**Depolama**> alanında, cihazı <**Kapalı**> duruma getirin ve [**Uygula**] düğmesine basarak kamerayı kapatın.
- Fotoğraf makinesini kapatırsanız veya üründen veriler içeren Micro SD bellek kartını çıkarırsanız, veriler kaybolabilir veya hasar görebilir.

Takma işlemi (Duvara Montaj Tabanı)

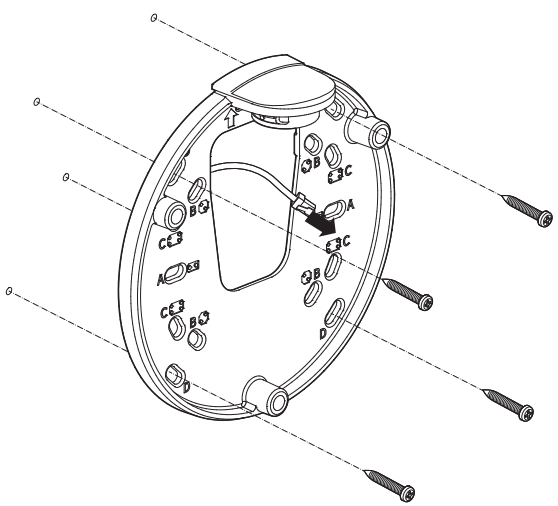
[Doğrudan duvara/tavana montaj]

1-1. Montaj şablonunu istenilen yüzeye takın ve vidalar ile kablolar için delikler açın.



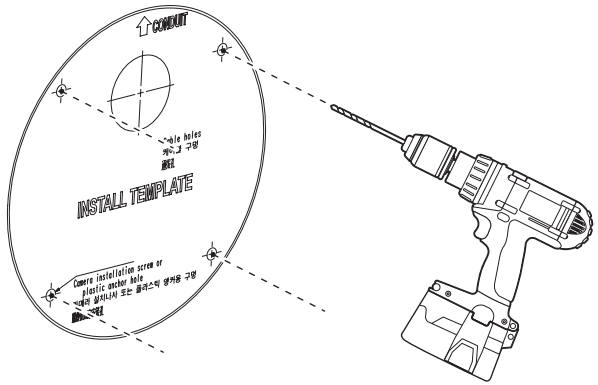
1-2. Duvara Montaj Tabanını uygun vidalar kullanarak sabitleyin.

1-3. Duvara Montaj Tabanındaki delikten LAN/güç/ses ve alarm kabloları arasındaki gerekli kabloları çekerek çıkarın.

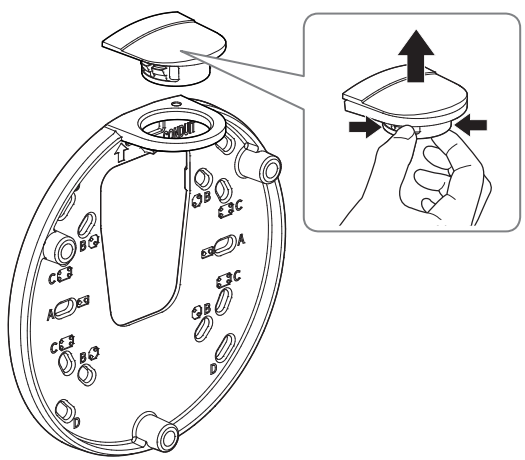


[Boru aracılığıyla takma]

2-1. Montaj şablonunu takın ve vidalar ile kablolar için delikler açın.



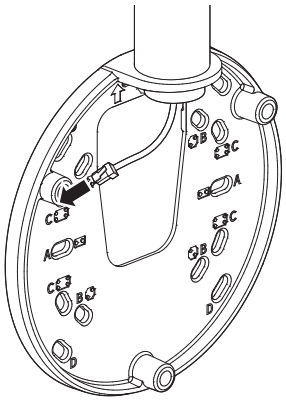
2-2. Duvara Montaj Tabanının boru kapağını yan taraflarına bastırarak ayırın.



2-3. Boruyu Duvara Montaj Tabanına yerleştirin.

2-4. Duvara Montaj Tabanını uygun vidalar kullanarak sabitleyin.

2-5. Borunun içinden LAN/güç/ses ve alarm kabloları arasındaki gerekli kabloları çekerek çıkarın.



Takma işlemi (Kasa alt parçası)

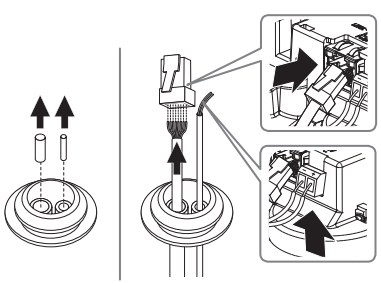
- Bağlanmak için, LAN kablosu ile uyumlu bir kablo burcu kullanın.
  - Ana kamera: çapı Ø5 ila 6,5 olan bir kablo kullanın
  - Bileşenler: çapı Ø5 ila 8,5 olan bir kablo kullanın

[LAN/güç kablolarının takılması]

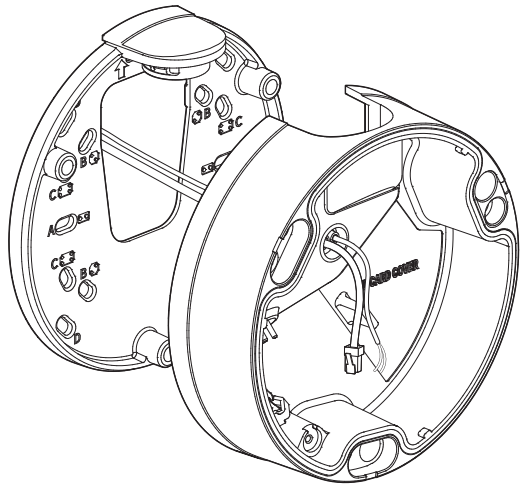
1-1. Kullanılacak olan burcun dışarı çıkmış parçalarını çekerek koparın.

1-2. LAN kablosunu burcun büyük deliğinden geçirin ve LAN konektörüne bağlayın.

1-3. (Güç kullanılırken) Güç kablosunu burcun küçük deliğinden geçirin ve temin edilen terminal bloğuna bağlayın.



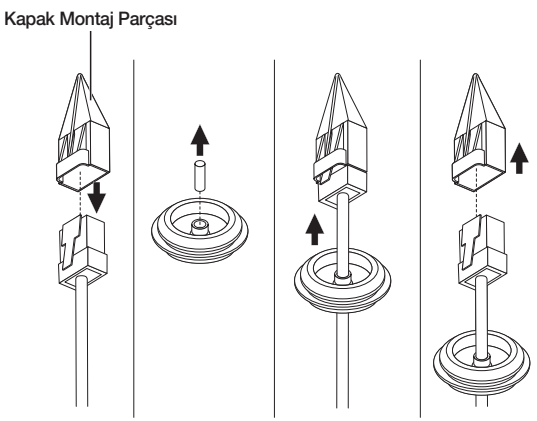
1-4. Burcu Kasa alt parçasına monte edin.



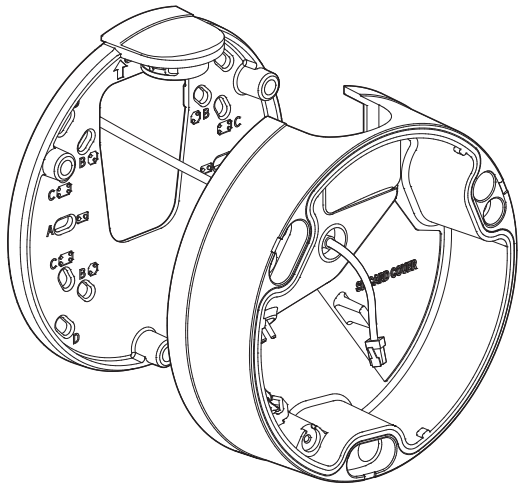
[LAN kablosunun takılması]

2-1. Temin edilen 1 delikli burcun dışarı çıkmış parçasını çekerek koparın.

2-2. RJ45 kablosundan geçirmek için kapak montaj parçasını kullanın.

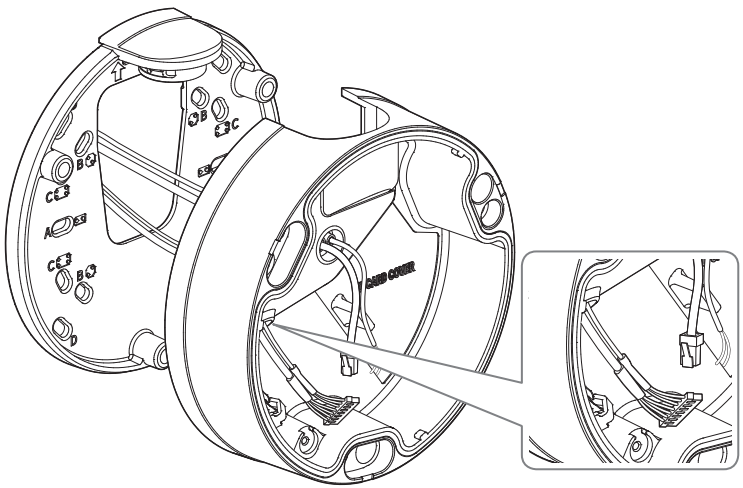


2-3. Burcu Kasa alt parçasına monte edin.

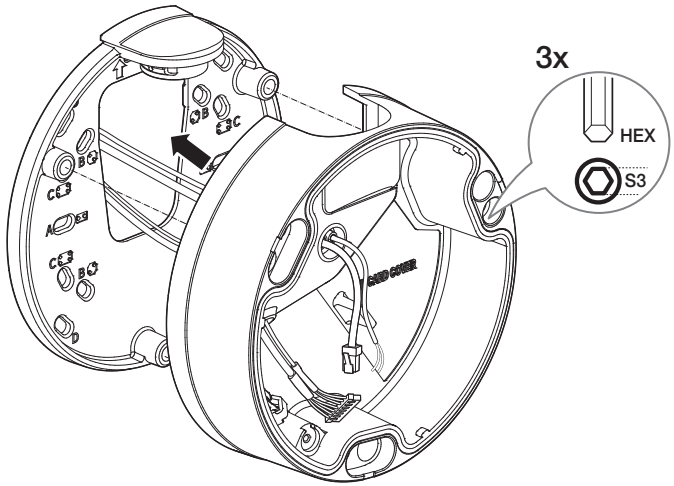


[Ses ve alarm kablolarının takılması]

3-1. Temin edilen ses ve alarm kablolarının burcunu Kasa alt parçasına takın.

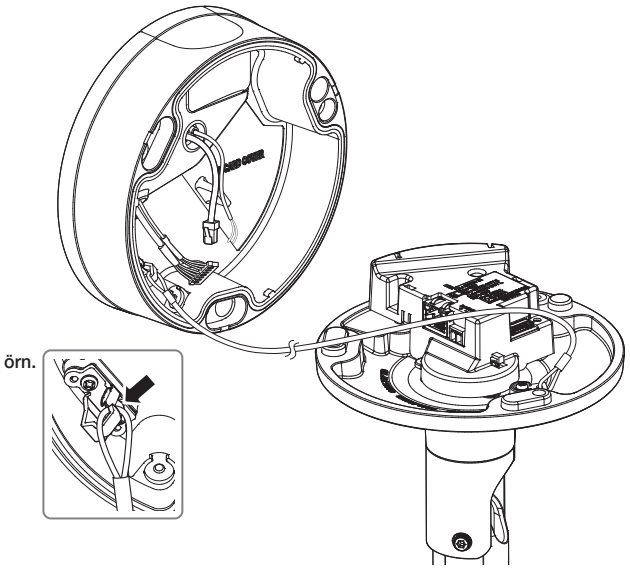


4. Duvara Montaj Tabanını Kasa alt parçası ile birleştirin.

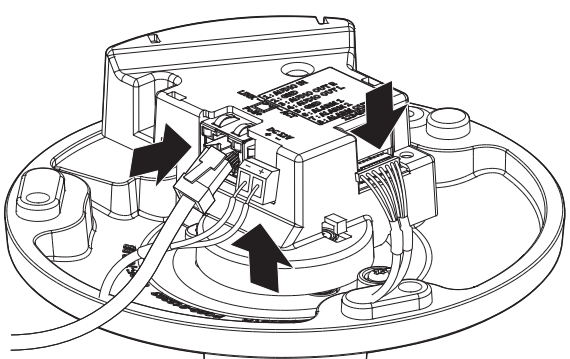


Kamera modülünün takılması

1. Kasa alt parçasındaki ok işaretine benzeyen kancaya güvenlik kablosunu asın.

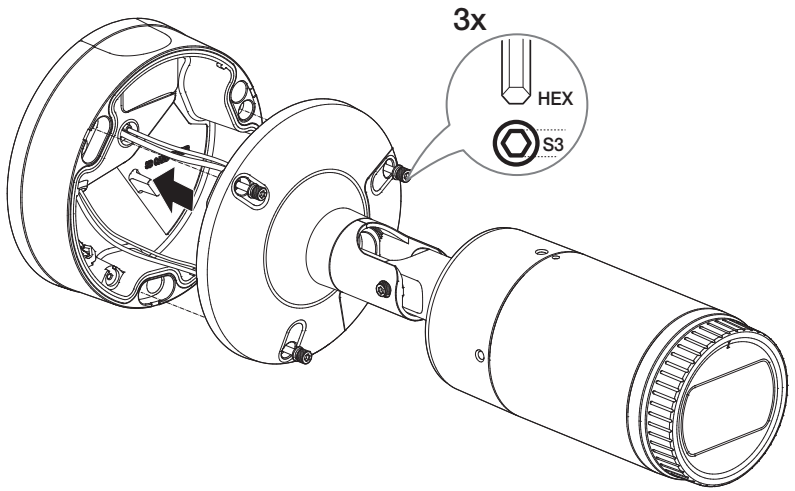


2. LAN/güç/ses ve alarm kablolarını kamera modülü terminaline bağlayın.



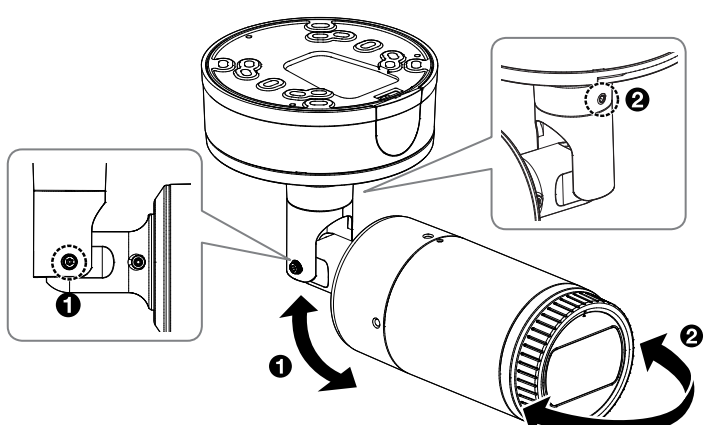
3. Kamera modülünü Kasa alt parçasına takın.

- Su hasarı sorunu çıkmaması için, sabitleme cıvatalarını iyice sıktığınızdan emin olun.

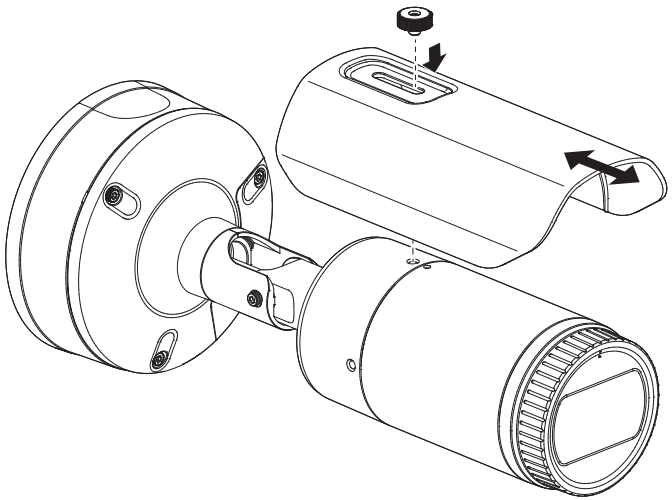


4. Birlikte verilen L anahtarı kullanarak kameranın yönünü ayarlayın.

- Kamera konumunu bir destek kullanarak ayarlarken, destek vidasını gevşetin, kamerayı ayarlayın ve vidayı sıkın. Vida sıkılmış durumdayken güç uygulayarak ayarlayamaya kalkışmanız durumunda, çizilme veya başka sorunlar oluşabilir.



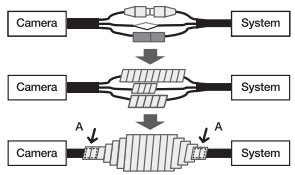
5. Güneşlik vidası kullanarak güneşliği kamera modülüne monte edin.



Dış mekan montajı

Cihazı binanın dışına monte ettiğinizde, lütfen butil plastik bantla (mağazalardan alınabilir) su yalıtımı sağlayın, böylece dışarıya bağlanan kablo açıklığından sıvı sızıntısı olmaz.

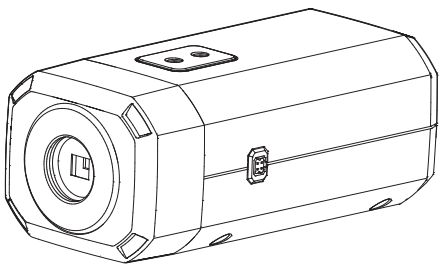
1. Güç, G/Ç ve LAN kablolarını bağlayın.
2. Siyah kablo kaplamasını (Alan A) ve kablo bağlantı alanını butil plastik bandın yarısından fazlası üst üste gelecek şekilde su geçirmez (butil plastik) bantla sarın.



- Kablo kaplamasının su geçirmezliği düzgün sağlanmadığında bu durum doğrudan sızıntıya neden olabilir. Kabloyu yoğun bir bant katmanıyla koruduğunuzdan emin olun.
- Su geçirmez butil bant, normal uzunluğunun iki katına kadar esnetilebilen butil plastikten yapılmıştır.

DAHİL OLANLAR

Satış yapılan her ülkede aksesuar aynı değildir.



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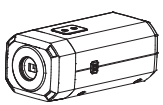
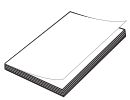
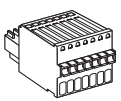
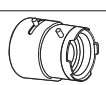
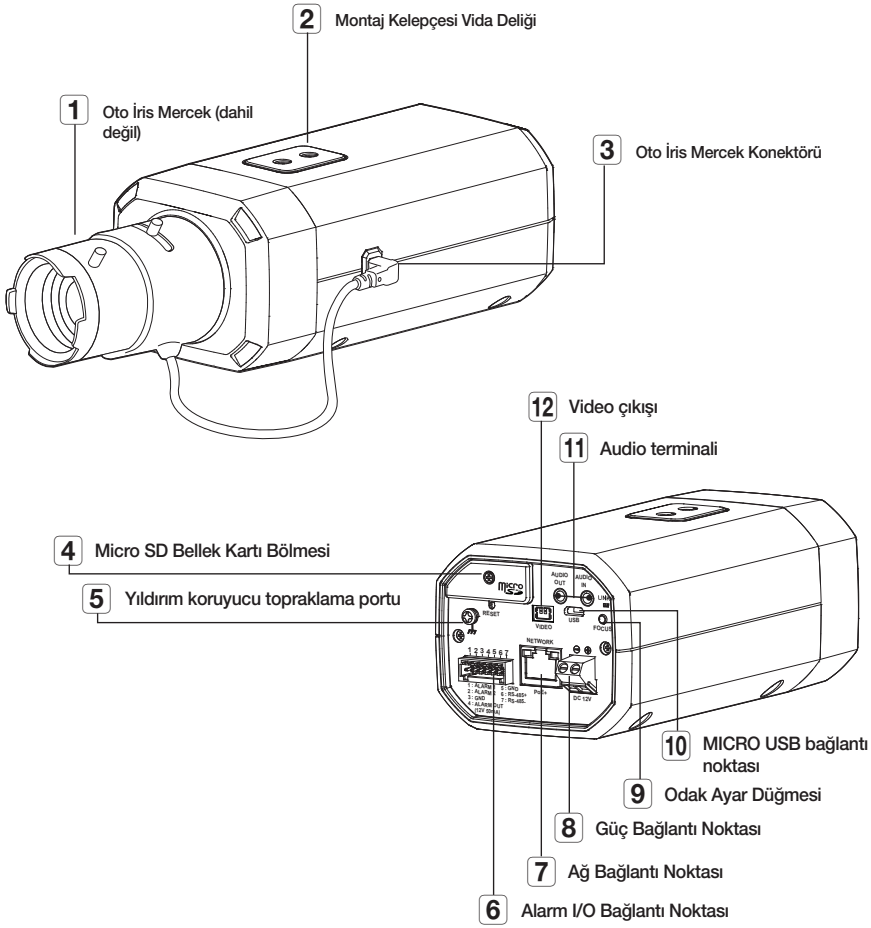




İsteğe bağlı (dahil değil)



CS Mercek

İLK BAKİŞ



KURULUM

- Harici kabloya bağlı kamera jakı su geçirmez değildir. Kablonun dışarıdan görünmesini önlemek için bu ürünü saçak kenarının altına monte etmeniz önerilir.

Kurulumdan Önce Alınması Gereken Önlemler

Kamerayı kurmadan önce aşağıdaki talimatları mutlaka okuyun:

- Kamera ağırlığının en az 5 katını taşıyabilecek bir kurulum yeri seçin.
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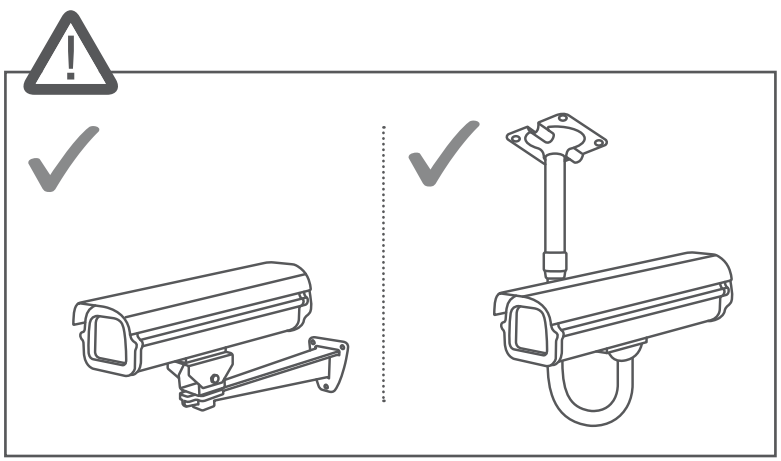
- Güvenlik açısından, kurulum alanında kimsenin bulunmamasını sağlayın. Her ihtimale karşı özel eşyalarınızı kurulum alanından uzak tutun.
- Ürün aşırı kuvvet uygulanarak kurulursa parçalar bozulabilir ve bu da kameraya zarar verebilir Montaji, uygun olmayan aletlerle yapmaya çalışmak ürüne zarar verebilir.
- Kamerayı kurarken bir muhafaza monte etmeniz önerilir (ayrıca satılır).



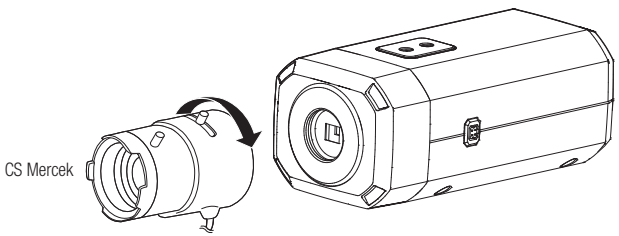
MERCEĞIN TAKILMASI

İşleme başlamadan önce güç kaynağı bağlantısını kesin.

- CS lens ürün paketine dahil değildir.
  Bunun için yalnızca mega merceği kullanmanız gerekir.

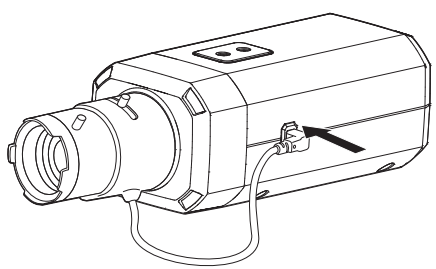
Kameraya CS lens montajı

Monte etmek için CS lensi saat yönünde çevirin.



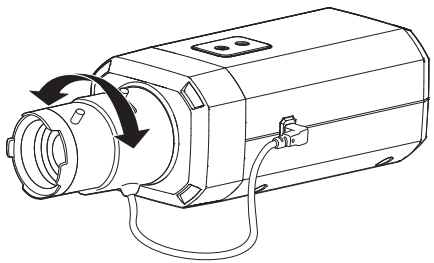
Oto İris Mercek konektörünün bağlanması

Lensin irin konektörünü kamera bağlantı kanalına takın.



Odaklama

SeleFime kaydetmek için bir hedef seçin, büyütmeyi ayarlamak için lensin zoom kolunu çevirin ve sonra hedefin açıkça görüntülenebileceği şekilde lense odaklanın.

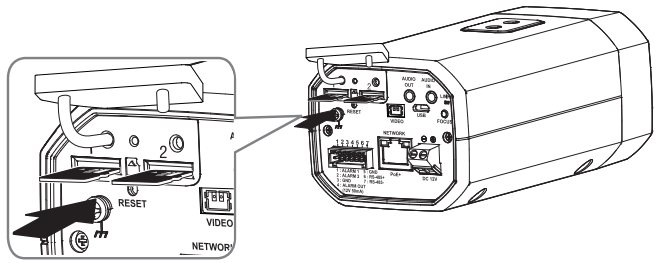


- Zoom koluna odaklandıktan sonra, lensi daha da net ayarlamak için kameranın arkasındaki [**FOCUS**] düğmesine basın.
- i-CS objektif, bir motorla donatılmıştır; bu sayede web viewer ile yakınlaştırma / odak ayarı yapılabilir ve iris açılabilir / kapatılabilir.

MİCRO SD BELLEK KARTİNİN TAKİLMASİ/ÇİKARİLMASİ

Micro SD Bellek Kartının Takılması

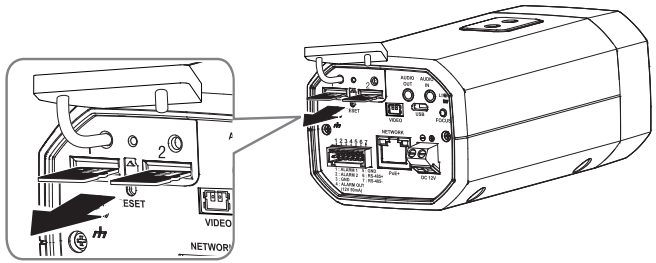
Mikro SD kartı, kamera modülündeki Micro SD yuvasına ok işareti yönünde kaydırarak takın.



- Kamerayı takmadan önce, güç kaynağı ve gövde ayrı durumdayken Micro SD bellek kartı takılmalıdır.
- Zorlayarak ters yönde takmaya çalışmayın. Bu, Micro SD bellek kartınıza ve ürününüze zarar verebilir.
- Micro SD kartın yağmur yağarken ya da nem yüksek olduğunda takılması veya çıkarılması önerilmez.
- Micro SD bellek kartını takarken/sökerken, parçaların kaybolması veya düşmesi nedeniyle meydana gelebilecek kazaları önlemek için, üzerinde çalışmadan önce ürün gövdesini düz bir yere koyduğunuzdan emin olun.

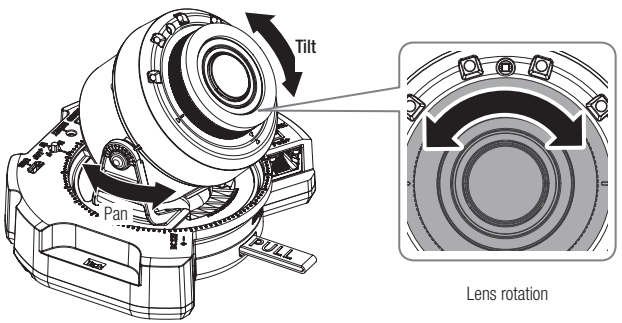
Micro SD Bellek Kartının Çıkarılması

Hafıza kartını yuvasından çıkartmak için şemada gösterildiği gibi hafıza kartının açık tarafından yavaşça basın.



- Micro SD bellek kartını çıkartmadan önce, <**Depolama**> alanında, cihazı <**Kapalı**> duruma getirin ve [**Uygula**] düğmesine basarak kamerayı kapatın.
- Fotoğraf makinesini kapatırsanız veya üründen veriler içeren Micro SD bellek kartını çıkarırsanız, veriler kaybolabilir veya hasar görebilir.

KAMERANIN İZLEME YÖNÜNÜN AYARLANMASI



Lens rotation

▪ İzleme yönünün ayarlanması

Kamera yönünü sadece kamera tavanda sabitken ayarlayabilirsiniz.
Bu anda, kameranın ana gövdesini sola veya sağa doğru döndürmeye KAYDIRMA ve kameranın açısını ayarlamaya da EĞME denir.

- Kaydırma açısı: 0˚ – 360˚.
- Dikey hareket açısı: -45˚ – 85˚.
- Döndürme açısı: 0˚ – 355˚.

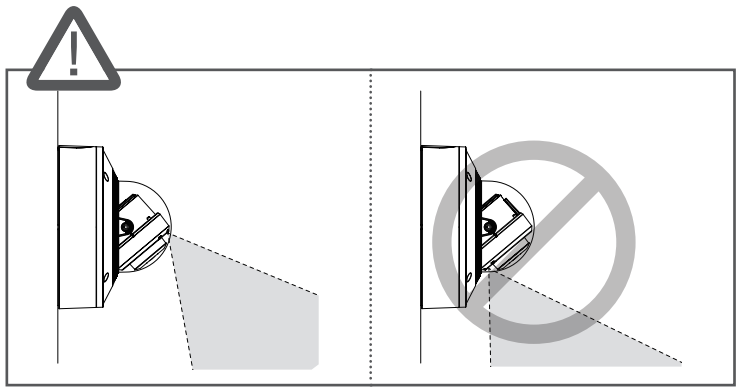
▪ 75˚ veya daha fazla dikey hareket açısında, yakınlaştırma büyütme oranına bağlı olarak ekranın bazı kısımlarında görüntü engellenebilir veya bulanık bir görüntü ortaya çıkabilir.

▪ Odaklama/yakınlaştırma lensini zorlayarak döndürmeyin veya bastırmayın. Aksi takdirde, motor arızası nedeniyle odaklama düzgün çalışmayabilir.

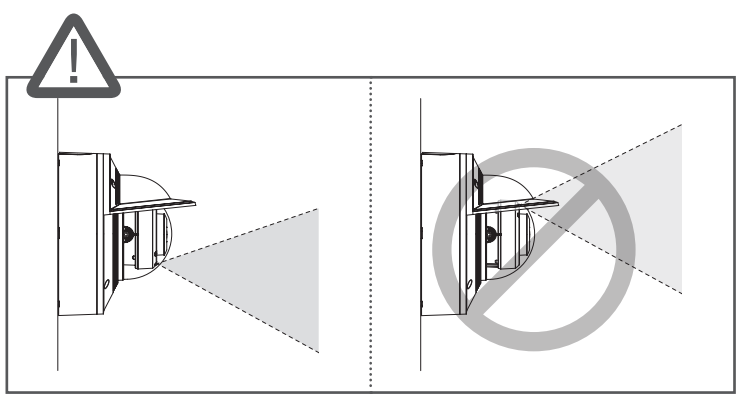
▪ Ayarlama yöntemleri

1. İzlenecek yönü dikkate alarak kaydırma açısını ayarlayın.
2. Yatay açıyı, videonun döndürülürken çevrilmeyeceği şekilde ayarlayın.
3. İzlenecek yöne doğru dikey hareket açısını ayarlayın.

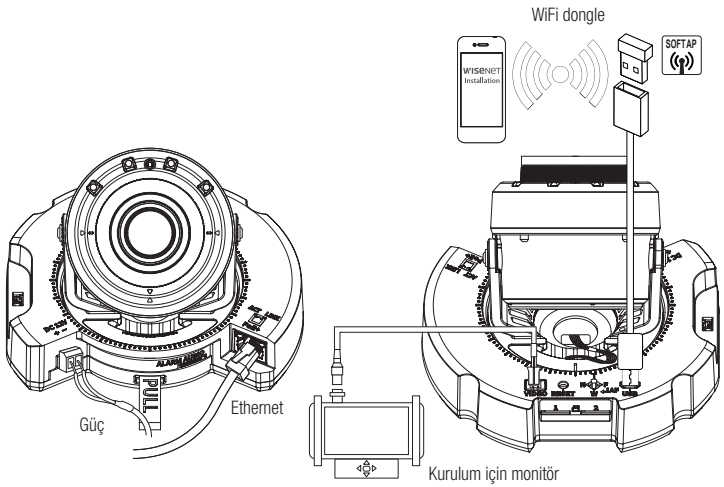
▪ IR LED'lerin yönünü, görünümleri bir cihaz tarafından engellenmeyecek şekilde ayarlayın.



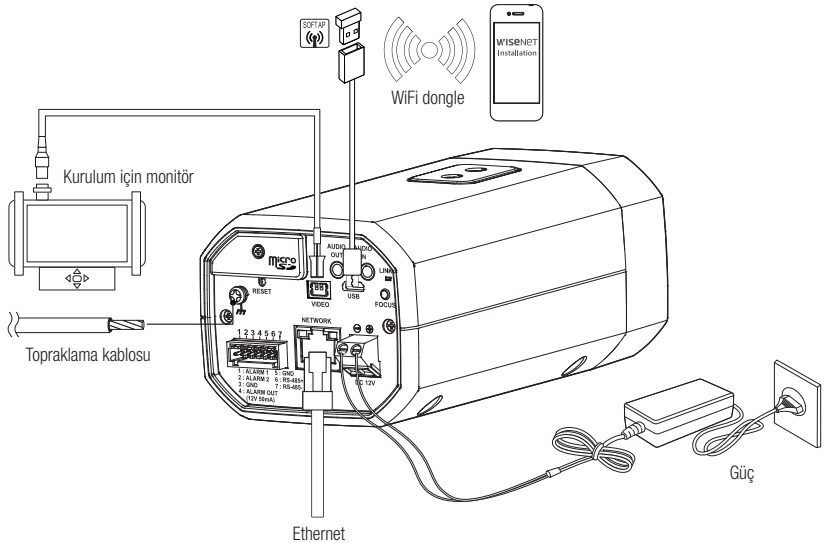
▪ IR LED'lerin yönünü, görünümleri bir yağmur siperi (varsa) tarafından engellenmeyecek şekilde ayarlayın.



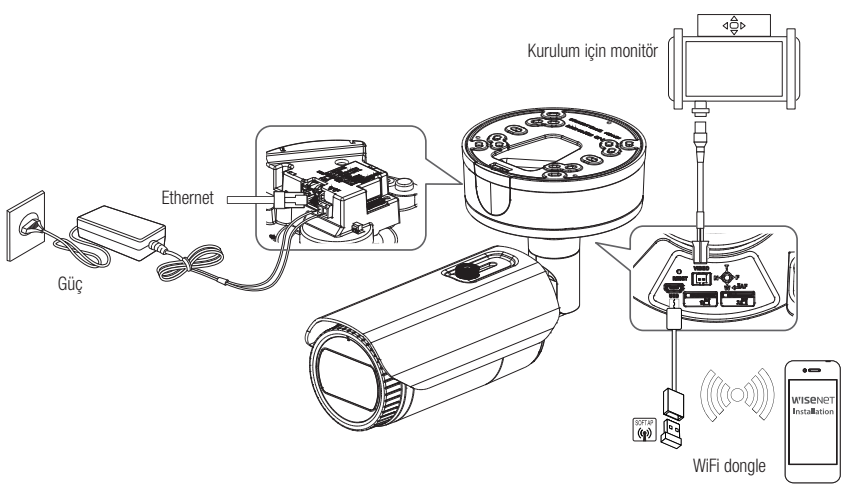
DİĞER CİHAZLARLA BAĞLANTI



<PNV-A9081R/PND-A9081RV/PND-A9081RF>



<PNB-A9001>



<PNO-A9081R>

- Daha kolay kurulum için ürüne bir CVBS çıkış terminali konulmuştur ve izleme amaçlarıyla kullanılması tavsiye edilmemektedir.
- Kolay kurulum için üründe Micro USB çıkış terminali bulunur ve izleme amacı için önerilmez.

Ethernet Bağlantısı

Ethernet kablosunu yerel ağa veya İnternete bağlayın.

WiFi Bağlantısı

Kamera Ayarı

1. OTG adaptörünü (5 pimli) ve WiFi dongle'ını mikro USB terminaline bağlayın.

Akıllı Telefon Kurulumu

1. Wisenet kurulum uygulamasını yükleyin.
2. WiFi'yi açtıktan sonra kamera SSID'sini seçin.
3. Wisenet kurulum uygulamasını çalıştırın.
4. Kameraya oturum açtığınızda görüntü bağlantısı kurulur.
   - Başlangıç bağlantısı esnasında, görüntüler oturum açılmadan oynatılır.
5. Akıllı telefonunuz üzerinden görüntüleri izlerken görş açısını ayarlayabilirsiniz.

Önerilen dongle üreticisi

Üretici	Model
NETIS	WF2123 n300
EDIMAX	EW-7811Un
IP Time	N100mini
TP-LINK	TL-WN823N V1
ASUS	USB-N13
NETGEAR	WNA3100M

Güç Kaynağı

Tornavidayla güç kablosunun her bir hattını (+, –) video kameranın ilgili güç bağlantı noktasına bağlayın.

- PoE+ ve DC 12 V güç kaynakları aynı anda açılırsa, cihazın gücü hem PoE+ hem de DC 12 V tarafından tedarik edilecektir.
  - Video kameraya güç beslemesi sağlamak için PoE+ özelliğine sahip bir yönlendirici de kullanabilirsiniz.
  - IEEE 802.3at protokolü ile uyumlu bir PoE+ kullanın.
- Güç kablosunu bağlarken kutupları ters çevirmemeye dikkat edin.
- Harici bir cihaz bağlamak isterseniz, devam etmeden önce harici cihazı kapamanız gerekir.
- Önce seti ve adaptör güç hattını bağlayın ve ardından güç kablosunu duvardaki prize takın.

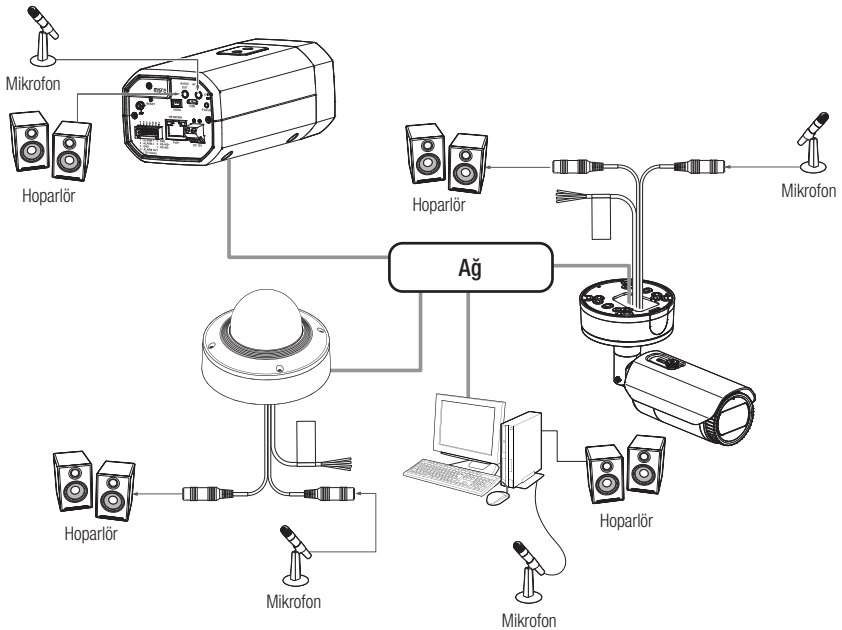
Her Bir Model için Güç Kablosu Özellikleri

Model	Giriş gücü	Kablo Tipi (AWG)	Kablo Uzunluğu (Maks.)
PND-A9081RV PND-A9081RF PNV-A9081R	DC 12V	#18	15m
		#16	24m
PNO-A9081R	DC 12V	#18	15m
		#16	24m
PNB-A9001	DC 12V	#18	18m
		#16	29m

Ağ Kablosu Özellikleri

Öğe	İçindekiler	İşaret
Konektör	RJ-45(10/100/1000BASE-T)	
Ethernet	10/100/1000BASE-T	
Kablo	6. Kategori	
Maks Mesafe	100M	
PoE Desteği	IEEE 802.3at	

Ses Giriş/Çıkışa Bağlamak



1. Kameranın AUDIO IN bağlantı noktasını mikrofona veya mikrofonun bağlı olduğu amplifikatörün LINE OUT bağlantı noktasına bağlayın.

   ▪ Kameranın dahili mikrofonunu, harici mikrofon bağlantısı olmadan kullanabilirsiniz (sadece PND-A9081RV / PNB-A9001 için geçerlidir).

2. Kameranın AUDIO OUT bağlantı noktasını hoparlöre veya hoparlörün bağlı olduğu amplifikatörün LINE IN bağlantı no ktasına bağlayın.
3. Ses girişi için teknik özellikleri kontrol edin.

- **Ses Kodeğ**
  - Ses Girişi : G.711 PCM (Bit Hızı: 64kbps / Örnekleme Frekansı: 8kHz), G.726 ADPCM (Bit Hızı: 16Kbps, 24Kbps, 32Kbps, 40Kbps / Örnekleme Frekansı: 8kHz), AAC (Bit Hızı: 48Kbps / Örnekleme Frekansı: 16kHz)
  - Ses Çıkışı : G.711 PCM (Bit Hızı: 64kbps / Örnekleme Frekansı: 8kHz)
- **Tam ÇiftYönlü Ses**
- **Audio in (PND-A9081RV/PNB-A9001)** : Seçilebilir (mikrofon/Hat girişi/Tümleşik), Desteklenen voltaj: 2.5VDC (4 mA), Giriş impedansı: 2K Ohm
- **Audio in (PNV-A9081R/PND-A9081RF/PNO-A9081R)** : Seçilebilir (mikrofon/Hat girişi), Desteklenen voltaj: 2.5VDC (4 mA), Giriş impedansı: 2K Ohm
- **Audio out** : Çıkış hattı (3.5mm mono jak), Maksimum çıkış: 1Vms
- **Çıkış hattı özdirenci** : 600ohm

▪ Web görüntüleyiciye erişecekseniz ve <**Video ve Ses**> - <**Ses ayarları**> seçeneğinde ses giriş kaynağı olarak harici bir mikrofon seçecekseniz, aşağıdaki teknik özellikler önerilir:

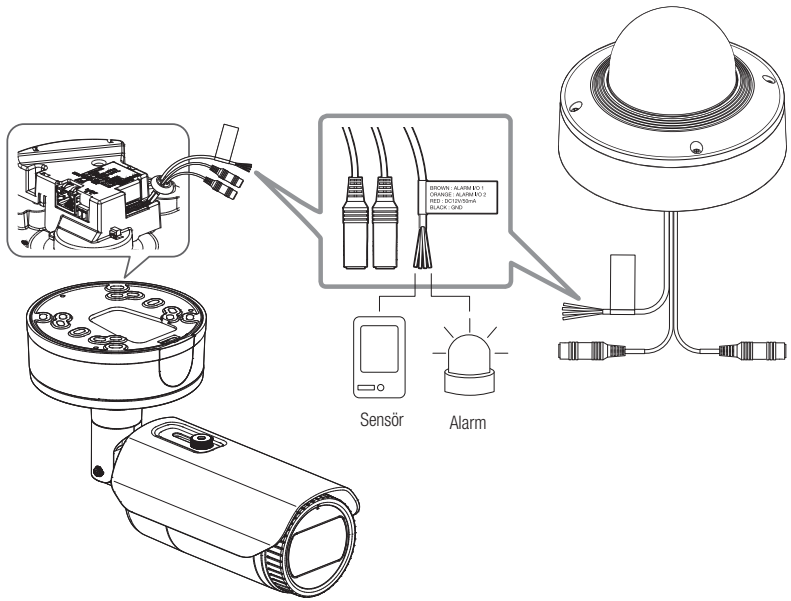
- Frekans aralığı: 40-16.000 Hz
- Empedans: 1.500 Ω
- Hassasiyet: -40±3 dB (7,1-14,1 mV)

▪ Aşağıdaki durumlardan herhangi birinde, ses sınıflandırma performansı düşebilir veya bozulabilir:

- Tek seferlik ateşli silah sesi yerine kısa bir zaman aralığında sürekli olarak ateşli silah sesleri duyulursa (örn. makineli tüfek sesi)
- Gürültü, gürültü ve hedef sesin ayırt edilmesi için çok fazlaysa
- Aynı anda iki veya daha fazla farklı ses kaydediliyorsa
- Ses sınıflandırması, gürültü giderme işlevi sessiz bir yerde kullanılırken uygulanıyorsa
- Alkış veya çığlık seslerinin kaynağı kameraya yakınsa (1 metre dahilinde)
- Ses sınıflandırması kategorilerinden herhangi birine ait olmayan bir ses (uçak sesleri, siren sesleri vb.) aniden yüksek sesle duyulursa
- Harici mikrofon önerilen teknik özellikleri karşılamıyorsa"

I/O bağlantı kutusuna bağlama

Alarm G/Ç kablosunu yuva kutusunun ilgili yuvasına bağlayın.



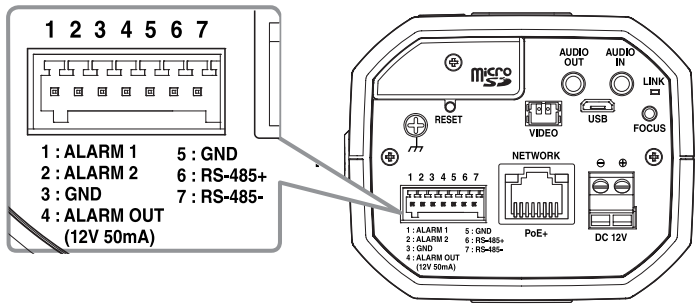
Alarmla ilgili Konektör

- Kullanmadan önce temin edilen ses/alarm kablosunu bağladığınızdan emin olun.

Kablo Rengi	İşlev	Açıklama
KAHVERENGİ : ALARM G/Ç 1 TURUNCU : ALARM G/Ç 2	ALARM I/O 1, ALARM I/O 2	Bu iki bağlantı noktası, Alarm girişi veya Alarm çıkışı olarak kullanılabildikleri için web görüntüleyiciden yapılandırılabilir. ※ Alarm G/Ç değişiklikleri Webviewer kurulumu aracılığıyla yapılabilir.
KIRMIZI	DC 12V/50mA	Bu pin, maksimum 50 mA amper değerine sahip sürekli bir DC 12V çıkış sağlar.
SİYAH	GND	Bu bir toprak terminalidir.

I/O bağlantı kutusuna bağlama (PNB-A9001)

Alarm I/O sinyalini arka bağlantı kutusunun ilgili bağlantı noktasına bağlayın.

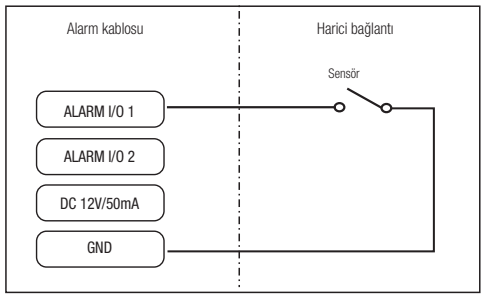


İşlev	Açıklama
ALARM 1, ALARM 2	Bu iki bağlantı noktası, Alarm girişi veya Alarm çıkışı olarak kullanılabildikleri için web görüntüleyiciden yapılandırılabilir. ※ Alarm G/Ç değişiklikleri Webviewer kurulumu aracılığıyla yapılabilir.
GND	Bu bir toprak terminalidir.
ALARM OUT	Bu pin, maksimum 50 mA amper değerine sahip sürekli bir DC 12V çıkış sağlar.
RS-485	Harici bir cihazı [RS-485 +, –] portuna bağlayarak harici cihaz kontrolü yapılabilir. RS-485 iletişimleri için GND bağlantısı önerilmektedir. Bir iletişim hatası meydana gelirse, GND pimini uygun biçimde bağlayarak kamera ile harici cihaz arasındaki GND seviyesini düzeltin.

Harici bir sensöre bağlanmak için

Alarm IN olarak kullanmak için: [ALARM G/Ç] bağlantı noktasından birini ve diğer terminali [GND] bağlantı noktasına bağlayın.

Bağlantı Şemasında Alarm (örnek)



<ALARM G/Ç 1 giriş terminali olarak ayarlanırsa>

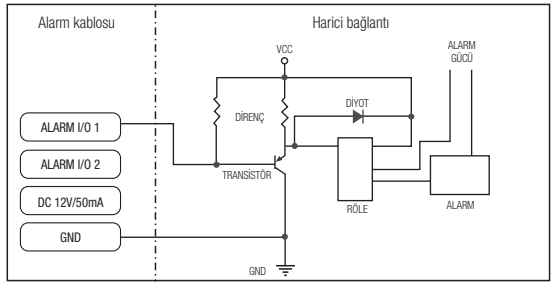
Bir alarm çıkışına bağlanmak için

Gerilim ve akım limitlerini (DC 12V / 50 mA) aşan cihazların (örn. yanıp sönen ışık ve siren) açık kollektör yöntemi kullanılarak bağlanması hasara neden olabilir.

Aşağıdaki 2 durum için alarm çıkışı bağlantı şemasına bakın.

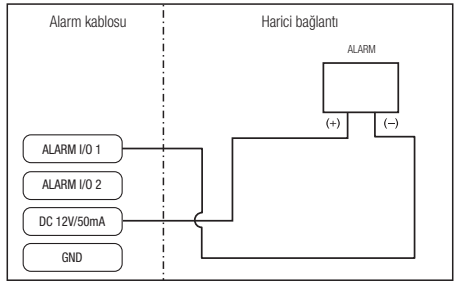
Alarm Çıkışı Bağlantı Şeması (örnek)

Uyarı ışığı/siren DC 12 V/50 mA değerini aştığında (Röle özelliklerini uyarı ışığı/siren gücü özelliklerine göre bağlayın.)



<ALARM G/Ç 1 çıkış terminali olarak ayarlanmışsa>

Uyarı ışığı/siren DC 12 V/50 mA değerini aşmadığında



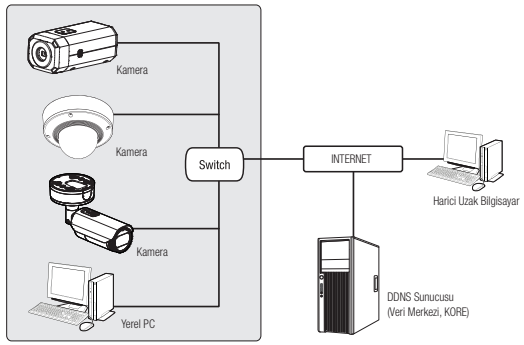
<ALARM G/Ç 1 çıkış terminali olarak ayarlanmışsa>

Ağ ayarlarınızı ağ yapılandırmanıza göre ayarlayabilirsiniz.

KAMERAYI DOĞRUDAN YEREL ALAN AĞINA BAĞLAMAK

Kameraya Lan Üzerinde Yerel Bir Pc'den Bağlanmak

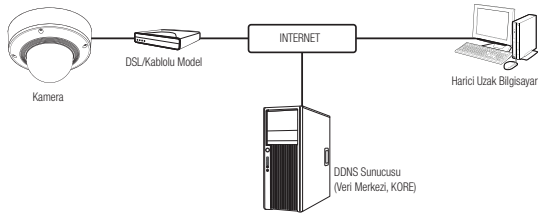
1. Yerel Pc'de Bir Internet Tarayıcı Çalıştırın.
2. Tarayıcının Adres Çubuğuna Kameranın Ip Adresini Girin.



<Yerel Ağ>

- Eğer Port Yönlendirme Doğru Ayarlanmamışsa Ya Da Bir Güvenlik Duvarı Ayarlıysa, Lan Ağı Dışından Harici Bir Pc Internet Üzerinden Kameraya Bağlanamayabilir.
  Bu Durumda, Sorunu Çözmek Için, Ağ Yöneticisi Ile Temas Kurun.
- IP adresi fabrika ayarlarına göre otomatik olarak DHCP sunucusundan atanır.
  Kullanılabilen DHCP sunucusu yoksa, IP adresi 192.168.1.100 olarak ayarlanır.
  IP adresini değiştirmek için Device Manager'ı kullanın.
  Device Manager'ın kullanımı hakkında daha fazla bilgi için, "**Device Manager'ı Kullanma**" kısmına bakın. (Sayfa 49)

KAMERANIN DOĞRUDAN BIR DHCP TABANLI DSL/KABLOLU MODEME BAĞLANMASI



1. Kullanıcı bilgisayarını doğrudan ağ kamerasıyla bağlayın.
2. Device Manager'ı çalıştırın ve İnternet'e bağlanmak için masaüstünüzdeki web tarayıcısını kullanabilmek amacıyla kameranın IP adresini değiştirin.
3. İnternet tarayıcısını kullanarak web görüntüleyiciye bağlanın.
4. [**Ayarları**] sayfasına gidin.
5. [**Ağ**] – [**DDNS**] sayfasına gidin ve DDNS ayarlarını yapılandırın.
6. [**Basic**] – [**IP & Bağlantı Noktası**] öğesine gidin ve IP türünü [**DHCP**] olarak ayarlayın.
7. Bilgisayarınızdan kaldırılan kamerayı doğrudan modeme bağlayın.
8. Kamerayı yeniden başlatın.

- DDNS ayarı hakkında bilgi almak için Web Viewer'ın çevrimiçi yardım bölümüne bakın.
- IP biçimi ayarlama hakkında bilgi için, Web Viewer'ın çevrimiçi yardım bölümüne bakın.

DEVICE MANAGER'I KULLANMA

- Device Manager programı, Hanwha Vision web sitesindeki <**Support**> – <**Online Tool**> menüsünden indirilebilir (https://www.HanwhaVision.com).
- Device Manager hakkında daha fazla talimatı, ana sayfanın <**Yardım**> menüsünde bulabilirsiniz.

KAMERAYI OTOMATIK OLARAK ARAMA

Kamera, Device Manager'ın kurulu olduğu PC ile aynı ağa bağlıysa, arama fonksiyonunu kullanarak ağ kamerasını bulabilirsiniz.

1. Device Manager'ın ana sayfasındaki <**Ara**> seçeneğine tıklayın.
2. Listeden kamerayı kontrol edin.
   - Kameraya yapıştırılmış etiketteki MAC adresini kontrol edin.

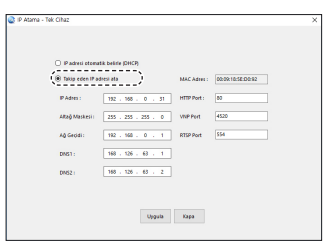
IP ADRESINI YAPILANDIRMA

Kamera ağ ayarını değiştirmek istiyorsanız, <**Durum**> kısmında <**Oturum Açma Tamam**> işareti gösteriliyor olmalıdır. Oturum açmak için ana sayfadaki <**Kimlik Doğrulama**> seçeneğine tıklayın.

Statik IP'yi yapılandırma

IP adresi ve port bilgilerini manuel olarak ekleyin ve yapılandırın.

1. Listeden IP ayarını değiştirmek istediğiniz kameraya tıklayın.
2. Device Manager'ın ana sayfasındaki <**IP Assign (IP Atama)**> seçeneğine tıklayın.
3. <**Takip eden IP adresi ata**> seçimini yapın.
   - Kameranın IP bilgileri önceden ayarlandığı gibi görüntülenecektir.
4. IP ve Port ile ilgili kategorileri doldurun.



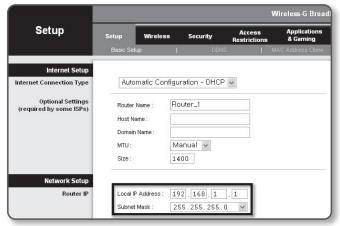
Bir Geniş Bant yönlendirici kullanılmıyorsa

Ağ yöneticisinden <**IP Adres**>, <**Altağ Maskesi**>, <**Ağ Geçidi**> değerlerini ayarlamasını isteyin.

- HTTP Port : Kameraya İnternet tarayıcı kullanılarak erişmek için kullanılır; varsayılan değer 80'dir.
- RTSP Port : Gerçek zamanlı akışı kontrol eden bir porttur. İlk değeri 554'tür.

Bir Geniş Bant yönlendirici kullanılıyorsa

- IP Address : IP aralığında kalan ve Geniş Bant yönlendirici tarafından verilen bir adres girin.
  örn) 192.168.1.2~254, 192.168.0.2~254, 192.168.XXX.2~254
- Subnet Mask : Geniş Bant yönlendiricinin <**Subnet Mask**>'i, kameranın <**Subnet Mask**>'i olacaktır.
- Gateway : Geniş Bant yönlendiricinin <**Local IP Address**>'i, kameranın <**Gateway**>'i olacaktır.



- Ayarlar, bağlı Geniş Bant yönlendiricisinin modeline göre farklılık gösterebilir. Daha ayrıntılı bilgi için, geçerli yönlendiricinin kullanım kılavuzuna bakın.
- Geniş bant yönlendiricinin bağlantı noktası iletimi hakkında daha fazla bilgi için bkz. "**Bağlantı Noktası Aralığı Aktarım (Bağlantı Noktası Eşleme) Ayarı**". (sayfa 51)

Geniş Bant yönlendiriciye bağlı birden fazla kamera varsa

IP ile ilgili ayarları ve Bağlantı Noktası ile ilgili ayarları birbirinden ayrı şekilde yapılandırın.

örn)

Kategori		Kamera No. 1	Kamera No. 2
IP ile ilgili ayarlar	IP Address Subnet Mask Gateway	192.168.1.100 255.255.255.0 192.168.1.1	192.168.1.101 255.255.255.0 192.168.1.1
Bağlantı noktası ile ilgili ayarlar	HTTP Port RTSP Port	8080 554	8081 555

- <**HTTP Port**> 80 dışında bir değere ayarlanmışsa, kameraya erişebilmek için öncelikle İnternet tarayıcısının adres çubuğuna <**Port**> numarasını girmeniz gerekir.
  örn) http://IP adresi : HTTP bağlantı noktası
  http://192.168.1.100:8080

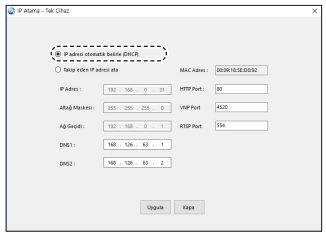
5. [**Uygula**] Düğmesine tıklayın.
6. Başarılı mesajı görüntülenirse, [**Tamam**] seçeneğine tıklayın.

Dinamik IP'yi Yapılandırma

DHCP'den IP adresini alın

- Dinamik IP ortamı örneği
  - Kameraların bağlı olduğu bir Geniş Bant yönlendiricisine DHCP sunucusu tarafından bir IP adresi atanmışsa
  - Kamera, DHCP protokolleri kullanılarak doğrudan modeme bağlanıyorsa
  - IP'ler LAN aracılığıyla dahili DHCP sunucusu tarafından atanmışsa

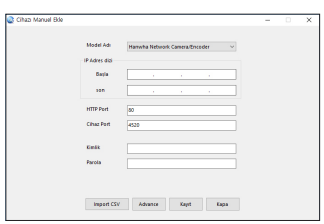
1. Listeden IP ayarını değiştirmek istediğiniz kameraya tıklayın.
2. Device Manager'in ana sayfasındaki <**IP Assign (IP Atama)**> seçeneğine tıklayın.
3. <**IP adresi otomatik olarak belirle (DHCP)**> seçimini yapın.
4. [**Uygula**] düğmesine tıklayın.
5. Başarılı mesajı görüntülenirse, [**Tamam**] seçeneğine tıklayın.



KAMERAYI MANUEL OLARAK KAYDETME

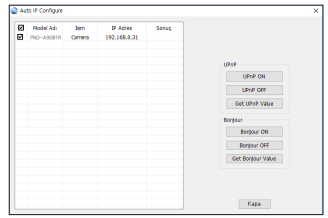
Kameranın arama fonksiyonu kullanılarak bulunamaması durumunda, kamera harici ağa bağlıysa, IP bilgileri manuel şekilde eklenerek kamera uzaktan kaydedilebilir.

1. Device Manager'ın ana sayfasındaki <**Cihaz Ekle**> – <**Cihazı Manuel Ekle**> seçeneğine tıklayın.
2. Aradığınız IP adresi aralığını ekleyin.
3. Kaydettiğiniz kameranın <**Model adı**> seçin ve HTTP portu, kimlik ve şifre bilgilerini ekleyin.
4. [**Kayıt**] düğmesine tıklayın.
5. Kameranın kayıtlı olup olmadığını kontrol edin.
   - Kameraya yapıştırılmış etiketteki MAC adresini kontrol edin.



IP'YI OTOMATIK OLARAK YAPILANDIRMA

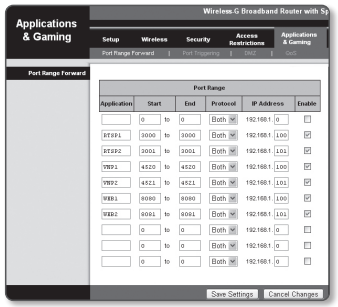
1. Listeden IP'sini otomatik olarak yapılandırmak istediğiniz kameraya tıklayın.
2. Device Manager'ın ana sayfasındaki < **+** > seçeneğine tıklayın.
   - Ekipman Ayarı menüsü görünür.
3. Menüde <**Auto IP Configre (Oto IP Yapılandır)**> seçeneğine tıklayın.
4. [**Kapa**] düğmesine tıklayın.



BAĞLANTI NOKTASI ARALIĞI AKTARIM (BAĞLANTI NOKTASI EŞLEME) AYARI

Bir kameranın bağlı olduğu bir Geniş Bant yönlendiriciyi kurarken, uzak bir bilgisayarın yönlendiricideki kameraya erişebilmesi için, Geniş Bant yönlendiricide bağlantı noktası aralığı aktarımını ayarlamanız gerekir.

Manuel Bağlantı Noktası Aralığı Aktarımı



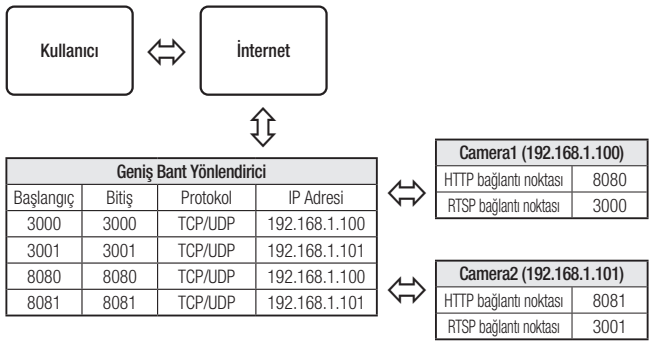
1. Geniş Bant yönlendiricinin Ayarlar menüsünden, <**Applications & Gaming**> - <**Port Range Forward**> öğelerini seçin.
   Bir üçüncü şahıs Geniş Bant yönlendiricisi için bağlantı noktası aralığı aktarımını ayarlamak için, ilgili Geniş Bant yönlendiricinin kullanıcı kılavuzuna başvurun.
2. Geniş Bant yönlendiriciye bağlı her bir kamera için <**TCP**> ve <**UDP Port**> ayarlarını yapın.
   IP yönlendirici ile yapılandırılacak her bir bağlantı noktasının sayısı, kamera web görüntüleyicisinde <**Ayarları**> - <**Basic**> - <**IP & Bağlantı Noktası**> bölümünde belirlenen port sayısına göre ayarlanmalıdır.
3. İşlem tamamlandığında [**Save Settings**] düğmesini tıklatın.
   Ayarlarınız kaydedilir.

- Port yönlendirme ayarı, CISCO IP yönlendirici ayarına bir örnektir.
- Ayarlar, bağlı Geniş Bant yönlendiricisinin modeline göre farklılık gösterebilir.
  Daha ayrıntılı bilgi için, geçerli yönlendiricinin kullanım kılavuzuna bakın.

Faklı Ağ Kameraları için Bağlantı Noktası Aralığı Aktarım Ayarı

- Geniş Bant yönlendirici cihazda, yapılandırma web sayfası ile Bağlantı Noktası İletme kuralı belirleyebilirsiniz.
- Kullanıcı kamera ayar ekranını kullanarak herhangi bir portu değiştirebilir.

Kamera 1 ve Kamera 2 bir yönlendiriciye bağlandığında :



Geniş Bant Yönlendirici			
Başlangıç	Bitiş	Protokol	IP Adresi
3000	3000	TCP/UDP	192.168.1.100
3001	3001	TCP/UDP	192.168.1.101
8080	8080	TCP/UDP	192.168.1.100
8081	8081	TCP/UDP	192.168.1.101

Camera1 (192.168.1.100)	
HTTP bağlantı noktası	8080
RTSP bağlantı noktası	3000

Camera2 (192.168.1.101)	
HTTP bağlantı noktası	8081
RTSP bağlantı noktası	3001

- Yönlendiricinin UPnP (Evrensel Tak ve Çalıştır) özelliğini desteklemesi galinde, port yönlendirme ek yönlendirici kurulumu olmadan yapılabilir.
  Ağ kablosunu bağladıktan sonra, "**Ayarlar** -> **Ağ** -> **DDNS**" içinde <**DDNS**> altında <**Hızlı Bağlantı**> menüsündeki onay kutusunu işaretleyin.

KAMERAYA PAYLAŞILAN BIR YEREL BILGISAYARDAN BAĞLANMA

1. Device Manager'ı çalıştırın.
   Bağlı kameralar taranır ve kameraların bir listesi görüntülenir.
2. Bir kameraya erişmek için üzerine çift tıklatın.
   İnternet tarayıcı başlatılır ve kameraya bağlanır.

▪ Kameraya, bulunan kameranın IP adresini İnternet tarayıcının adres çubuğuna yazarak da erişebilirsiniz.

KAMERAYA İNTERNET ARACILIĞIYLA UZAK BIR BILGISAYARDAN BAĞLANMA

Kullanıcılar, Geniş Bant Yönlendiricisinin ağ kümesinde bulunmayan bir uzak bilgisayarda, kameranın DDNS URL'sini kullanarak bir Geniş Bant Yönlendiricisi ağı içindeki kameralara erişebilirler.

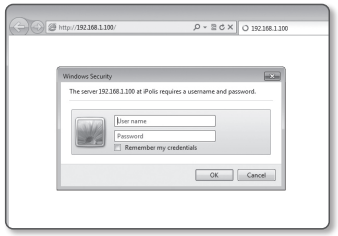
1. Geniş Bant yönlendirici ağındaki bir kameraya erişebilmek için, öncelikle Geniş Bant yönlendirici için bağlantı noktası aralığı aktarımını ayarlamış olmanız gerekir.
2. Uzak bilgisayardan İnternet tarayıcıyı başlatın ve kameranın DDNS URL adresini veya Geniş Bant yönlendiricinin IP adresini adres çubuğuna yazın.
   örn) http://ddns.hanwha-security.com/ID

▪ DDNS kullanmak için, DDNS ana sayfasında (http://ddns.hanwha-security.com) kaydolun ve ürünü [**DDNS Ayarlarım**]> [**Ürün Kaydı**] seçeneği altında kaydedin.

KAMERAYA BAĞLAMA

Normal koşullar altında aşağıdakileri yapmanız gerekir

1. İnternet tarayıcıyı başlatın.
2. Kameranın IP adresini adres çubuğuna yazın.
   örn) • IP adresi (IPv4) : 192.168.1.100 → http://192.168.1.100
   - Oturum Açma iletişim kutusu açılır.
   • IP adresi (IPv6) : 2001:230:abcd: ffff:0000:0000:ffff:1111
   → http://[2001:230:abcd:ffff:0000:0000:ffff:1111] - Oturum Açma iletişim kutusu açılır.



HTTP bağlantı noktası 80 dışında bir değer ise

1. İnternet tarayıcıyı başlatın.
2. Kameranın IP adresini ve HTTP bağlantı noktası numarasını adres çubuğuna yazın.
   örn) IP adresi: 192.168.1.100: HTTP bağlantı noktası numarası (8080)
   → http://192.168.1.100:8080 - Oturum Açma iletişim kutusu açılır.

URL adresinin kullanılması

1. İnternet tarayıcıyı başlatın.
2. Kameranın DDNS URL adresini adres çubuğuna yazın.
   örn) URL adresi : http://ddns.hanwha-security.com/ID
   - Oturum Açma iletişim kutusu açılır

■ Yalnızca LAN ortamında ağ bağlantısı devre dışı bırakılır.

UPnP üzerinden bağlanma

1. UPnP protokolünü destekleyen istemciyi veya işletim sistemini çalıştırın.
2. Arama yapmak için kamera adına tıklayın.
   Windows işletim sisteminde, ağ menüsünden aranan kamera adına tıklayın.
   - Oturum açma penceresi görüntülenir.

Bonjour üzerinden Bağlanma

1. Bonjour protokolünü destekleyen istemciyi veya işletim sistemini çalıştırın.
2. Arama yapmak için kamera adına tıklayın.
   Mac işletim sisteminde, Safari'nin Bonjour sekmesinden aranan kamera adına tıklayın.
   - Oturum açma penceresi görüntülenir.

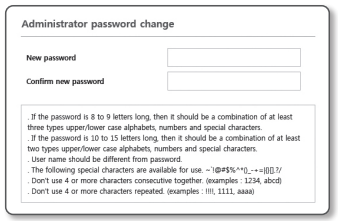
DDNS adresinin kontrol edilmesi

Kamera doğrudan DHCP tabanlı bir kablo modem veya DSL modemine bağlıysa, ISP'ye (abone olduğunuz internet sağlayıcı şirket) her bağlanma denemesinde IP adresi değişir.
Böyle bir durumda DDNS tarafından değiştirilen IP adresi size bildirilmez.

DDNS sunucusuyla dinamik IP bazlı bir aygıt kaydettiğinizde aygıta erişmeye çalıştığınızda değişen IP'yi kolayca kontrol edebilirsiniz.
Cihazınızı <**DDNS**> sunucusuna kaydetmek için http://ddns.hanwha-security.com adresini ziyaret edin ve öncelikle cihazınızın kaydını yapın ve sonra Ağ Görüntüleyici'yi <**Ağ**> - <**DDNS**> <**DDNS**> olarak ayarlayın ve DDNS kaydı için kullanılan <**Ürün Kimliği**> girin.

ŞIFRE AYARI

Ürüne ilk kez erişim sağladığınızda, oturum açma şifresini yaratmanız gerekir.

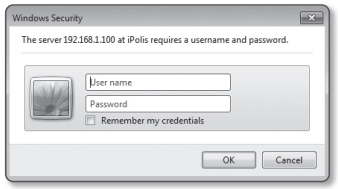


- 8 ile 9 haneli yeni bir şifrede, şunlardan en az üçünü kullanmanız gerekir: büyük/küçük harfler, sayılar ve özel karakterler. 10 ile 15 haneli bir şifrede, yukarıda belirtilen türlerden en az ikisini kullanmanız gerekir.
  - İzin verilen özel karakterler. : ~`!@#$%^*()_-+=|{}[].?/
- Daha üst seviyede güvenlik için şifrelerinizde aynı karakterlerin veya ardışık klavye girişlerinin tekrarlanmaması önerilir.
- Şifrenizi kaybettiyseniz, ürünü sıfırlamak için [**RESET**] düğmesine basabilirsiniz. Bir deftere not ederek ya da ezberleyerek şifrenizi kaybetmeyin.

OTURUM AÇMA

Kameraya her erişiminiz sırasında oturum açma penceresi görünür.
Kameraya erişmek için Kullanıcı Kimliği'ni ve şifrenizi girin.

1. <**User name**> giriş kutusuna "**admin**" yazın.
   Yönetici kimliği olan "**admin**" sabittir ve değiştirilemez.
2. Şifreyi <**Password**> giriş alanına girin.
3. [**OK**] öğesine tıklayın.
   Oturum Açma başarılı olduğunda, Live Viewer ekranı açılır.



- Kameranın web görüntüleyicisine eriştiğinizde, görüntü verilerinin şifrelenip şifrelenmediğini kontrol ederek güvenliğe çok dikkat edin.

- Giriş işleminiz tamamlandığında "**Remember my credentials**" seçeneğini işaretlediğinizde, bir sonraki girişinizde oturum açma bilgilerini girmenize gerek kalmadan, otomatik olarak oturum açabilirsiniz.
- Ekran boyutu %100 olduğunda en iyi video kalitesine sahip olursunuz. Oran düşürüldüğünde, görüntü kenarlardan kesilebilir.

KAMERA WEB GÖRÜNTÜLEYICISI KURULUMU

1. [**Kurulum ( )**] simgesine tıklayın.
2. Ayarlar penceresi görüntülenir.
3. Kameranın temel bilgi, video, ses, ağ, olay, analiz ve sistem ayarlarını ağ üzerinden yapılandırabilirsiniz.
4. Her işlevin detaylı tanımına bakmak için <**Yardım ( )**> düğmesine tıklayın.

SORUN GİDERME

SORUN	ÇÖZÜM
Bir Windows 10 kullanıcısı Chrome veya Firefox aracılığıyla web görüntüleyiciye eriştiğinde, mikrofonun ses düzeyi periyodik olarak değişir.	• Mikrofon sürücüsü Realtek sürücüsüne ayarlandığında ne olur. Mikrofon sürücüsü olarak Yüksek Çözünürlüklü Ses aygıtını (Windows Varsayılan Sürücü) veya üçüncü taraf sürücüyü yükleyin.
Bir olay sırasında ses oynatmak için gerekli WAVE dosyalarının teknik özellikleri nelerdir?	• 48.000 KHz veya daha düşük örnekleme hızı önerilir. • Örnek başına bit sayısı (bps) için, en fazla 8/16 bit önerilir. • Sadece PCM kodlama biçimi desteklenmektedir.
Safari tarayıcıda eklentisiz web görüntüleyiciye HTTPS aracılığıyla erişildiğinde hiçbir video görüntülenmez.	• HTTPS'e ilk olarak erişildiğinde, görüntülenen kimlik doğrulama açılır penceresinde, "Kimlik Doğrulama Sertifikasını Görüntüle" seçeneğine ve "Belirlenen webviewer IP adresine bağlanırken daima güven" seçim kutusuna tıklayın. • Aşağıdaki mesaj penceresinde "İleri" seçeneğini seçtikten sonra web görüntüleyici halen video görüntülememeye devam ederse, Safari tarayıcıdan çıkmak için komut tuşu + Q tuşuna basın, sayfaya yeniden erişin ve yukarıda belirtilen işlemleri uygulayın.
Kameraya ağ tarayıcısından erişemiyorum.	• Kameranın Ağ ayarlarının uygun olduğuna emin olmak için kontrol edin. • Bütün ağ kablolarının düzgün olarak bağlandığına emin olmak için kontrol edin. • Eğer DHCP ile bağlanılmışsa, kameranın problemsiz olarak dinamik IP adresi alabildiğini kontrol edin. • Eğer kamera bir Geniş Bant yönlendiriciye bağlıysa, port yönlendirmenin doğru yapılandırıldığını kontrol edin.
İzleme sırasında İzleyici bağlantısı kopuyor.	• Bağlı İzleyicilerin bağlantısı, kamerada ya da ağ yapılandırmasında yapılan değişikliklerle kopar. • Bütün ağ bağlantılarını kontrol ediniz.
Ağa bağlı kamera, Device Manager programında algılanmaz.	• PC'nizdeki güvenlik duvarını kapatın ve kamerayı tekrar aratın.
Görüntüler üstüste biniyor.	• İki ya da daha fazla kameranın farklı adresler yerine tek bir multicast adrese ayarlanıp ayarlanmadığını kontrol edin. Eğer birden çok kamera için tek bir adres kullanılmışsa, görüntüler üstüste binebilir.
Görüntü belirmiyor.	• Eğer iletim yöntemi multicast olarak ayarlanmışsa, kameranın bağlandığı LAN üzerinde multicast destekleyen yönlendirici olup olmadığını kontrol edin.

SORUN	ÇÖZÜM
Ses girişi ayarları yapılandırılmış olsa bile ses kaydedilmez.	• <Basic> - <Video Profili> bölümündeki <Ses Girişi> onay kutusunu işaretlemeniz gerekir.
<Analiz> öğesinde <Hareket Algılama> seçeneği <Etkinleştirin> olarak ayarlandı ancak bir analiz olayı meydana geldiğinde bile bana e-posta bildirimi ulaşmıyor.	• Ayarları şu sırayla doğrulayın: A. <Tarih ve Saat> ayarlarını kontrol edin. B. <Hareket Algılama> öğesi <Etkinleştir> seçeneğine ayarlanmalıdır. C. <Olay Ayarı> menüsünün <E-posta> seçeneğinin kullanım için işaretlenip işaretlenmediğini kontrol edin.
Bir akıllı video analizi olayı üretildiğinde bile Alarm Çıkışı bağlantı noktasında sinyal bulunmaz.	• Alarm çıkışı bağlantı noktası ayarlarını kontrol edin.
Micro SD bellek kartına kayıt yapılamıyor.	• Bellek kartının hasarlı olup olduğunu kontrol edin.
Micro SD bellek kartı takılı ama kamera düzgün çalışmıyor.	• Bellek kartının doğru yönde takılıp takılmadığını kontrol edin. Başka cihazlarda biçimlendirilen bir bellek kartı bu kamera biriminde çalışmayabilir • <Ayarları> → <Olay> → <Depolama> menüsünde bellek kartını tekrar biçimlendirin.
NAS'a kaydedilemiyor.	• NAS'a kaydedilen bilginin doğru olduğunu doğrulayın.
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ethtool-4.2	GPL 2.0	
mtd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtd-utils
mii-diag-2.11	GPL 2.0	
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revised on December 21, 2006
revised on March 24, 2009

Article 1. Scope of License Agreement

1. This License Agreement sets forth copyrights and the terms and conditions of use applicable to the source code of T-Kernel distributed by T-Engine Forum and any derivative work created therefrom.

Article 2. Definition

1. "T-Kernel" means a real-time operating system controlled and distributed by T-Engine Forum on behalf of the copyright holder thereof.

2. "Source Code" means a source program, including related comments and documentations, for the T-Kernel and the Ported Source Code defined in Article 2.8 which is registered with T-Engine Forum.

3. "Hardware-dependent Part" means the part of the Source Code which depends on hardware and needs to be changed when the Source Code is ported and operated on the target hardware, and is designated and separated as such part.

4. "Compiler-dependent Part" means the part of the Source Code which depends on compiler and needs to be changed when the Source Code is ported and operated on the target hardware, and is designated and separated as such part.

5. "Header File" means the part of the Source Code which contains definitions necessary to develop application programs.

6. "T-Engine Hardware" means the hardware which is manufactured in accordance with the T-Engine Hardware specifications or the µT-Engine Hardware specifications issued by T-Engine Forum, and registered with T-Engine Forum.

7. "Similar Hardware to T-Engine Hardware" means any hardware (including software which emulates hardware) other than that defined in Article 2.6 above, on which the T-Kernel can be operated.

8. "Ported Source Code" means a source program produced from the Source Code by modifying only its Hardwaredependent Part and/or Compiler-dependent Part to enable it to be operated on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware. The Ported Source Code which is registered with T-Engine Forum shall be included in the Source Code.

9. "Modified Source Code" means a source program modified from the Source Code for the purpose of improving its performance, increasing or decreasing its function, and the like. The Ported Source Code shall not be included in the Modified Source Code.

10. "Binary Code" means an executable code form which is created by compiling programs, which include all or part of the Source Code or the Modified Source Code.

11. "Derivative Work" means the Modified Source Code or the Binary Code.

12. "Embedded Product" means any product which operates with executable code form of the Source Code, the Modified Source Code or the Binary Code loaded on its hardware.

13. "End User" means a consumer who uses the Embedded Product.

14. "System Developer" means any person who develops the Embedded Product by itself or has a third party develop the same, and provides, whether with or without payment, the End User with the Embedded Product.

15. "Distributor of Modification" means any person who produces the Modified Source Code and, whether with or without payment, distributes the same to any third party.

16. "Patch for Modification" means a difference, program, system, or the like in order to create the Modified Source Code from the Source Code or the Binary Code thereof.

17. "Vicarious Execution of Patch Processing" means vicarious execution service to create the Modified Source Code applying the Patch for Modification to the Source Code or the Binary Code thereof.

18. "Source Code User" means a person who uses the Source Code.

19. "Distribution" means any of the following acts:

1. to transmit a work to a large number of specific persons through the Internet communication, broadcasting, and the like;

2. to transmit a work to the general public through the Internet communication, broadcasting, and the like automatically in response to a request from the public; and

3. to distribute a copy of a work to the general public or a large number of specific persons.

Article 3. Copyright

1. The copyrights of the Source Code shall be owned by Ken Sakamura.

Article 4. License of Source Code

1. As provided for in this Article, T-Engine Forum shall provide, and grant a license to use, the Source Code free of charge to any person who has taken the necessary procedure for registration as prescribed by T-Engine Forum and agreed to the T-License.

2. The Source Code shall be distributed exclusively by T-Engine Forum. Any person who obtains the Source Code under Article 4.1 above shall not make any re-Distribution of the Source Code.

3. In accordance with the license granted under Article 4.1 above, the Source Code User may perform the following acts:

1. to copy and/or modify the Source Code provided by T-Engine Forum hereunder for its own research, development and the like.

2. to run the Source Code provided by T-Engine Forum hereunder for its own research, development and the like.

3. to run the Source Code modified in accordance with the provision of Article 4.3 (1) above for its own research, development and the like.

4. to distribute the Binary Code created from the Source Code provided by T-Engine Forum hereunder or from the Source Code modified in accordance with the provision of Article 4.3 (1) above.

4. In accordance with the license granted under Article 4.1 above, the System Developer may perform the following acts:

1. to perform any and all acts set forth in the Article 4.3 above.

2. to develop and manufacture the Embedded Product containing the Binary Code, and, whether with or without payment, provide the End User with the same and make the Binary Code available to the End User on the Embedded Product.

5. The Source Code User and the System Developer shall be obligated to give a notice that the Source Code is used, in such a way as separately specified by T-Engine Forum, when they use the Source Code or the Binary Code, or make the Binary Code available for the End User on the Embedded Product.

Article 5. Distribution of Modified Source Code

1. Any of A- members of T-Engine Forum may become the Distributor of Modification by obtaining the approval of T-Engine Forum through the registration procedure as prescribed by the Forum provided that only the department of the A- member which has taken the registration procedure may distribute the Modified Source Code in such a way as provided for in this Article as long as it holds the Amembership.

2. The Distributor of Modification may create the Modified Source Code based on the Source Code provided by T-Engine Forum and the Patch for Modification to be applied to create such Modified Source Code from the Source Code.

3. The Distributor of Modification shall, prior to the distribution, inform T-Engine Forum of and register a name and description of the Modified Source Code in such a way as specified by T-Engine Forum.

4. The Distributor of Modification shall determine the name of the Modified Source Code subject to the rules separately established by T-Engine Forum and publish an appropriate notice as required by the rules on the Patch for Modification and the Modified Source Code.

5. The Distributor of Modification may distribute the Modified Source Code to a third party, whether with or without payment, provided that the Distributor of Modification shall take the necessary measures to prohibit the third party from making the re-Distribution of the Modified Source Code.

6. Developer with the Patch for Modification. Provided, however, that the Distributor of Modification shall be obligated to confirm that the System Developer is the Source Code User duly licensed under Article 4.1.

7. The Distributor of Modification may perform the Vicarious Execution of Patch Processing for the System Developer.

8. The System Developer shall not distribute the Modified Source Code in further modified form to any third party as a stand-alone software product.

9. The System Developer may, under the same obligation as imposed in Article 4.5, make the Embedded Product available for the End User through use of the Patch for Modification distributed by the Distributor of Modification or the Derivative Works obtained through the Vicarious Execution of Patch Processing.

Article 6. Distribution and Registration of the Ported Source Code

1. The Source Code User and the System Developer may, whether with or without charge, distribute to any third party only the following parts of the Ported Source Code on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware:

1. The Hardware-dependent Part and/or Compiler-dependent Part; provided that the Source Code User and the System Developer shall inform T-Engine Forum of, and T-Engine Forum may publish, a method for distributing said Part(s) to third parties.

2. The Header File; provided that the Header File shall be distributed together with the Binary Code of the Ported Source Code.

2. Any member of T-Engine Forum may request T-Engine Forum to register and distribute, as an original source code for T-Kernel, the Ported Source Code on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.

3. Any member of T-Engine Forum who requests the distribution mentioned in the preceding paragraph shall accede to the following conditions:

1. The member shall confirm that the object hardware is the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.

2. The member shall provide T-Engine Forum with a complete set of operational environment for the object hardware and T-Kernel free of charge when requesting the distribution.

3. The member shall submit test results of the Ported Source Code to T-Engine Forum when requesting the distribution.

4. In the event that T-Engine Forum accepts the request mentioned in Article 6.2, T-Engine Forum shall register and distribute the Ported Source Code as the Source Code for T-Kernel. Provided, however, that the Ported Source Code may be treated in the same way as the Modified Source Code until the time of registration hereunder.

5. The provision set forth in Article 3 shall apply to the Ported Source Code registered in accordance with this Article.

Article 7. Use for Other Purpose

1. Any use of the Source Code, the Modified Source Code or the Ported Source Code other than those stipulated in Articles 4, 5 and 6 shall be subject to the prior approval of T-Engine Forum.

Article 8. Limited Warranty

1. T-Engine Forum and the copyright holder of the Source Code warrant that the Source Code does not infringe third party's copyrights. Provided, however, that T-Engine Forum and the copyright holder of the Source Code make no warranty as to the Hardware-dependent Part and/or Compiler- dependent Part set forth in Article 6.2 in the Ported Source Code by any third party.

2. Neither T-Engine Forum nor the copyright holder of the Source Code warrants that the Source Code will fit for any particular purpose of the Source Code User.

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Article 10. Breach of Agreement

1. In case that T-Engine Forum considers that this License Agreement is breached or that the popularization of T-Kernel is obstructed, T-Engine Forum shall take measures to correct such breach or such obstruction, take measures on the ground of copyright infringement, or take any other necessary measures against the breaching person or the obstructing person, regardless of whether or not the said person is a member of T-Engine Forum.

2. In case of breach of this License Agreement by a member of T-Engine Forum, T-Engine Forum may take appropriate measures against the member; for example, the member is disqualified from membership, depending on what kind of breach has been committed by it.

3. Any legal dispute which may arise in relation to any breach of this License Agreement shall be subject to the exclusive jurisdiction of the Tokyo District Court.

Article 11. Governing Law and Language

1. This License Agreement shall be governed by and interpreted under the laws of Japan.

2. This License Agreement is executed in both Japanese text and English text provided that the Japanese text shall govern the interpretation and performance of this License Agreement.

Apache License 2.0

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Julian Seward, jseward@bzip.org

bzip2/libbzip2 version 1.0.5 of 10 December 2007

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Iperf performance test

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Jean-loup Gailly Mark Adler

jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://www.ietf.org/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

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