

# AĞ KAMERASI

## Kullanım Kılavuzu

PNM-9084RQZ/PNM-9085RQZ  
PNM-9084RQZ1/PNM-9085RQZ1

# 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 aygıtı gibi ısı kaynaklarının veya (amplifikatörler dahil) ısı üreten diğer cihazların yayına koymayın.
9. Güvenlik amaçlı polarize veya topraklamalı tip fişi bozmayın. Polarize fiş, biri diğerinden daha geniş iki ağa sahiptir. Topraklama tipi fiş iki ağa ve üç topraklama dişine sahiptir. Geniş ağız veya üçüncü diş güvenliğinizi 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 kablolarını koruyun.
11. Yalnızca üretici tarafından belirtilen ekleri/ aksesuarları kullanın.
12. Yalnızca üretici tarafından belirtilen veya cihazla birlikte satılan tekerlekli taşıma sehpa, kamera ayağı, üç ayaklı sehpa, dirsek veya masa kullanın. Tekerlekli taşıma sehpa 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 ürün, gücünü, "Sınıf 2" veya "LPS" işaretli ve 12 Vdc, 3.2 A veya PoE(55 Vdc), 0.77 A dereceli bir Listelenmiş Güç Kaynağı Ünitesinden alacak şekilde tasarlanmıştır.
16. Bu ürün, gücünü, "Sınıf 2" veya "LPS" işaretli ve 12 Vdc, 3.5 A veya PoE(55 Vdc), 0.82 A dereceli bir Listelenmiş Güç Kaynağı Ünitesinden alacak şekilde tasarlanmıştır.
17. DC güç ve HPoE enjektörünü aynı anda kullanmayın.
18. Bu ürünün yalıtım gücüyle beslenmesi amaçlanmıştır.
19. Ürünü kurarken aşırı güç kullanırsanız, kamera hasar görebilir ve arıza yapabilir. Uyumsuz aletler kullanarak ürünü zorla yüklerseniz, ürün hasar görebilir.
20. 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.
21. Ürünü kurarken, ürün yüzeyinin kimyasal madde ile lekelenmesine izin vermemeye dikkat edin. Temizleyici veya yapııştırıcı gibi bazı kimyasal solventler ürünün yüzeyine ciddi hasar verebilir.



22. Ürünü tavsiye edildiği şekilde kurmazsanız/kaldırmazsanız, üretim işlevleri/performans garanti edilemez. Kullanıcı kılavuzundaki "Kurulum ve Bağlantı" bölümüne bakarak ürünü kurun.
23. Ürünün su içinde kurulması veya kullanılması ürüne ciddi zararlar verebilir.
24. Bu model yatay olarak monte edilmelidir. Dikey olarak monte edilirse, kamera anızalanma nedeniyle hasar görebilir.

## UYARI

YANGIN VEYA ELEKTRİK ŞOKU RISKİNİ AZALTMAK İÇİN, BU CİHAZI 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

|                                                                                                                                                                                                              |                                                          |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--|
|                                                                                                                                                                                                              | <b>DİKKAT</b><br>ELEKTRİK ÇARPMA RİSKİ<br>VARDIR AÇMAYIN |  |
| <p><b>DİKKAT : ELEKTRİK ÇARPMA RİSKİNİ AZALTMAK İÇİN ARKA KAPAĞI KALDIRMAYIN (VEYA ARKASINI AÇMAYIN) KULLANICININ MÜDAHELE EDEBİLECEĞİ PARÇA BULUNMAMAKTADIR. YETKİLİ SERVİS PERSONELİNE BAŞVURUNUZ.</b></p> |                                                          |  |

## 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.

## CIHAZIN BAĞLANTISINI KESME

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

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

## DİKKAT

Pil, yanlış pil tipiyle değiştirilirse, patlama riski oluşur. Kullanılan pilleri talimatlara göre tasfiye edin.

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.

**ITE yalnızca PoE ağına 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.
- Objektifi doğrudan elinizle ayarlamayın veya hareket ettirmeyin. Bunu yapmak objektife zarar verebilir veya performansını düşürebilir.
- Objektif motorunun beklenen kullanım ömrü 200 devirdir.

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 güvenliğinizi için okuyun ve güvenli bir yerde saklayın.

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

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

## UYARI

IR LED, 'in yol açabileceği hasarlardan kaçınmak için çalışır durumdaki lambaya bakmayın.

Yalnızca aşağıdaki modeller için.

PNM-9084RQZ/PNM-9085RQZ

| Risk Grubu 1                                                                                     |
|--------------------------------------------------------------------------------------------------|
| <b>UYARI Bu ürün kızılötesi (IR) ışınım yapar.</b><br><b>Çalışır durumdaki lambaya bakmayın.</b> |
| Ürün, IEC 62471 uyarınca test edilmiştir                                                         |

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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.

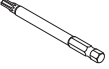
## TAVSİYE EDİLEN MICRO SD/SDHC/SDXC B ELLEK KARTI ÖZELLİK

- Önerilen kapasite : 16 GB ila 256 GB (MLC tipi)
- Önerilen Üreticiler : SanDisk, Transcend
- Ürün Tipi : Yüksek dayanıklılık
- Uyumluluk, kart üreticilerine ve tiplerine bağlı olarak değişir.
- UHS-3 sınıfı (MLC tipi) spesifikasyonuna uygun, 16GB veya üstü bir bellek kartı kullanmanız önerilir.

## DAHİL OLANLAR

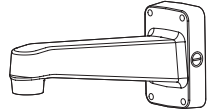
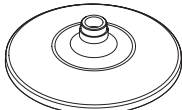
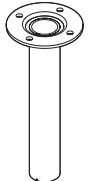
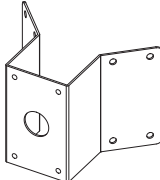
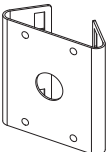
Kameranızın ve aksesuarlarınızın ürün ambalajında bulunup bulunmadığını lütfen kontrol edin.  
(Satış yapılan her ülkede aksesuar aynı değildir.)

| Görünüm                                                                             | Öge Adı                                   | Adet | Açıklama                                                                        |
|-------------------------------------------------------------------------------------|-------------------------------------------|------|---------------------------------------------------------------------------------|
|  | Kamera                                    | 1    |                                                                                 |
|  | Hızlı Kullanma Kılavuzu<br>(İsteğe bağlı) | 1    |                                                                                 |
|  | Şablon                                    | 1    | Ürün montaj rehberi                                                             |
|  | Güç Terminali Bloğu                       | 1    | Elektrik prizine takılı                                                         |
|  | Güç Kablosu                               | 1    | Güç girişine takmak için kullanılır                                             |
|  | Makine Vidaları                           | 4    | Kameranızı montaj askısına monte etmek için kullanılan vidalar, Alet Kutusu vb. |
|  | Kapak Montaj Parçası                      | 1    | RJ45 kablosunu bağlamak için kullanılır                                         |

| Görünüm                                                                           | Öge Adı           | Adet | Açıklama                                                             |
|-----------------------------------------------------------------------------------|-------------------|------|----------------------------------------------------------------------|
|  | Matkap ucu        | 1    | Dom kapağının sökülmesi, montajı ve kamera kurulumu için kullanılır. |
|  | Kablo burcu       | 1    | LAN kabloları veya alarm ve ses kabloları için yedek burçlar.        |
|  |                   | 1    |                                                                      |
|  | HPoE enjektörü    | 1    | Güç kaynağı ve ağı bağlar                                            |
|  | Ses/alarm kablosu | 1    | Ses ve alarm girişine bağlantı için kullanılır                       |

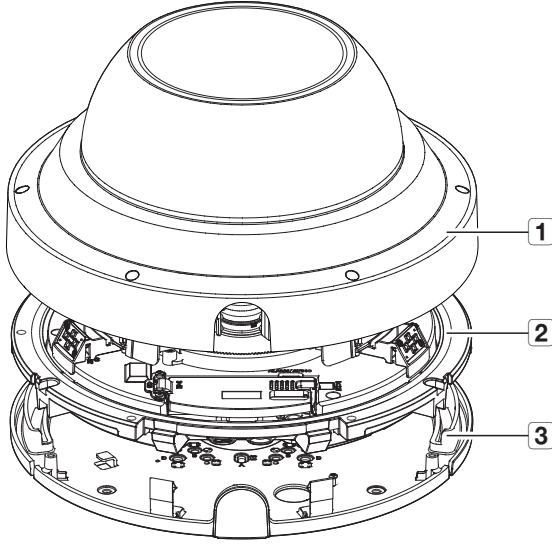
## KURULUM İÇİN İSTEĞE BAĞLI AKSESUARLAR

Mevcut isteğe bağlı aksesuarları satın alabilirsiniz.

| Ürün tipi | Duvara montaj                                                                       |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Model Adı | SBP-390WMW2                                                                         |                                                                                     |
|           |  |                                                                                     |
| Ürün tipi | Montaj askısı                                                                       | Tavana montaj                                                                       |
| Model Adı | SBP-317HMW                                                                          | SBP-300CMW                                                                          |
|           |  |  |
| Ürün tipi | Köşeye montaj                                                                       | Direğe montaj                                                                       |
| Model Adı | SBP-300KMW                                                                          | SBP-300PMW                                                                          |
|           |  |  |

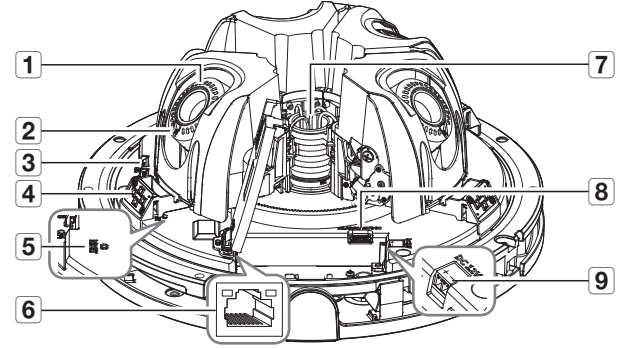
## İLK BAKIŞ

## Görünüm



| Madde            | Açıklama                                                                                               |
|------------------|--------------------------------------------------------------------------------------------------------|
| 1 Dome Kapağı    | Mercek ve ana birimi korumakta kullanılan muhafaza kapağı.                                             |
| 2 Kamera Gövdesi | Kamera objektifinin ve bağlantı terminallerinin bulunduğu gövde kısmı.                                 |
| 3 Montaj plakası | Kamerayı tavana monte ederken veya ayrı olarak satılan bir montaj parçasına takarken sabitleyen plaka. |

## Ek Cihazlar



| Madde                           | Açıklama                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 Mercek                        | 4 kamera merceği farklı yönleri gösterir.                                                                                                                                                                                                                                                                                                                                                                              |
| 2 Aydınlatma Sensörü            | IR LED'i kontrol etmek için gelen ışığı algılar.                                                                                                                                                                                                                                                                                                                                                                       |
| 3 Micro SD Bellek Kartı Bölmesi | Micro SD bellek kartı için bölme.                                                                                                                                                                                                                                                                                                                                                                                      |
| 4 IR LED'i                      | Bu kızılötesi LED'ler aydınlatma sensörü tarafından kontrol edilir.                                                                                                                                                                                                                                                                                                                                                    |
| 5 Reset Düğmesi                 | Düğme, tüm kamera ayarlarını fabrika varsayılan ayarlarına geri döndürür. Sistemi yeniden başlatmak için yaklaşık 5 saniye basılı tutun.<br>Kamerayı sıfırlarsanız, DHCP'nin etkinleştirilmesi için ağ ayarları yapılır. Ağda DHCP sunucusu yoksa, ağa bağlanabilmeniz için önce IP adresi, Alt ağ maskesi, Ağ geçidi, vb. temel ağ ayarlarını değiştirmek için Device Manager programını çalıştırmanız gerekmektedir. |
| 6 HPoE Bağlantı portu           | Bu terminal, HPoE enjektörüyle elektriği ve ağı bağlar ya da Ethernet kablusuyla ağı bağlar.                                                                                                                                                                                                                                                                                                                           |

| Madde                                | Açıklama                                                         |                                                                                   |
|--------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>7</b> Kablolar                    | Renk - CH 1: kırmızı<br>CH 2: yeşil<br>CH 3: mavi<br>CH 4: siyah |                                                                                   |
| <b>8</b> Ses ve alarm kablosu girişi | ARM-IN                                                           | Alarm giriş sensörünü veya harici gündüz/gece sensörünü bağlamak için kullanılır. |
|                                      | ARM-OUT                                                          | Alarm çıkış sinyalini bağlamak için kullanılır.                                   |
|                                      | GND                                                              | Alarm giriş/çıkış sinyallerinin bağlandığı ortak portlardır.                      |
|                                      | MIC                                                              | Bir mikrofona bağlanmak için kullanılır.                                          |
|                                      | SPEAKER                                                          | Hoparlörlere bağlanmak için kullanılır.                                           |
| <b>9</b> Güç Bağlantı Noktası        | Güç terminali bloğu için giriş.                                  |                                                                                   |

## KURULUM

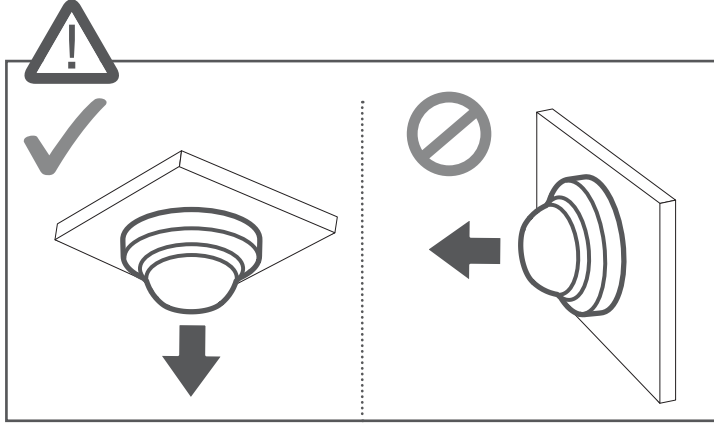


- Bu fotoğraf makinesi, su geçirmezdir ve IP66 şartnamesine uygundur, ancak harici kabloya bağlanan jak uygun değildir. Kablounun tamamen açıkta kalmasını önlemek için bu ürünü saçak kenarlarının altına yüklemeniz önerilir.

### Kurulumdan Önce Alınması Gereken Önlemler

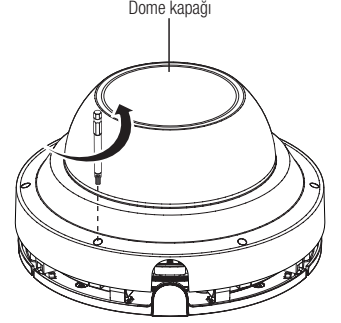
Kamerayı kurmadan önce aşağıdaki talimatları mutlaka okuyun:

- 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

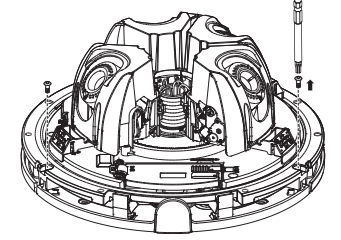
1. Sabitleme civatasını gevşeterek dom kapağını çıkarın. Bu işlem, verilen matkap ucu ile civata saat yönünün tersine çevrilerek yapılabilir.



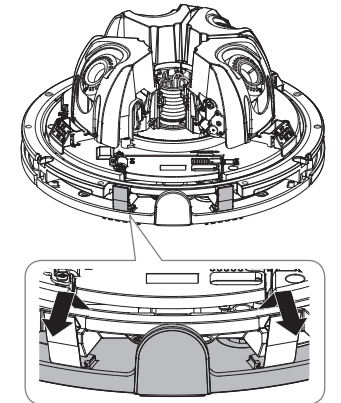
2. Kamera gövdesindeki sabitleme vidasını gevşetin.



- Objektifi doğrudan elinizle ayarlamayın veya hareket ettirmeyin. Bunu yapmak objektife zarar verebilir veya performansını düşürebilir.

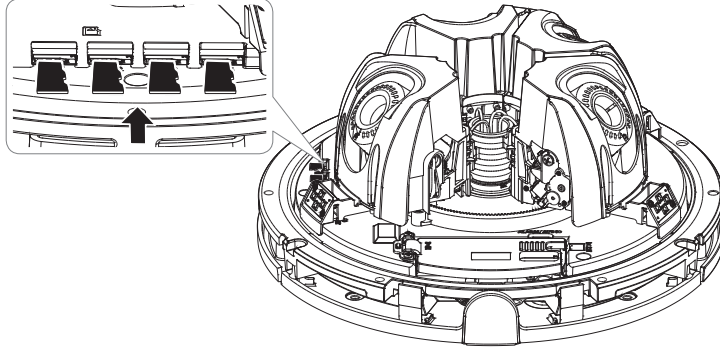


3. Kamera gövdesini ve montaj plakasını, şekilde gösterildiği gibi plaka yayını çekerek çıkarın.



## Micro SD Bellek Kartının Takılması

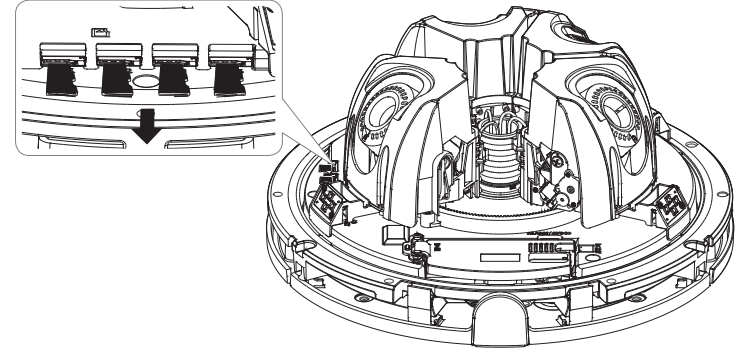
1. Kameranin dom kapağını çıkarın.
2. Micro SD kartı, şekilde gösterildiği gibi ok yönünde takın.



- Micro SD bellek kartını takmadan önce güç kablosunu kameradan çıkartın.
- 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.
- Ürün kapağını sökme işleminin 5 dakika içinde tamamlanması gerekir; aksi takdirde çiy yoğunlaşma riski bulunmaktadır.
- Kameranızın IR LED'i, Mikro SD yuvasını kapatıyorsa web görüntüleyiciye ulaşıp lensi çekerek yuvayı açın.

## Micro SD Bellek Kartının Çıkarılması

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

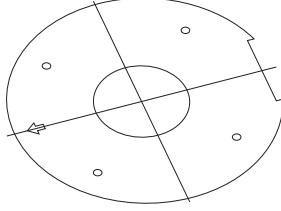


- Her kanal için bir SD kart ayırmalısınız.
- Micro SD bellek kartı çıkık haldeyken sertçe itip bırakırsanız dışarı fırlayabileceğini lütfen unutmayın.
- Micro SD bellek kartını çıkarmadan önce, <Ayarlar (⚙️)> <Olay><Depolama> konumunda aygıtı <Kapalı> olarak ayarlayın ve [Uygula] düğmesine bastıktan sonra kamerayı kapatın.
- Fotoğraf makinesini kapatırsanız veya üründen veriler içeren Micro SD bellek kartını çıkarırsanız, veriler kaybolabilir veya hasar görebilir.

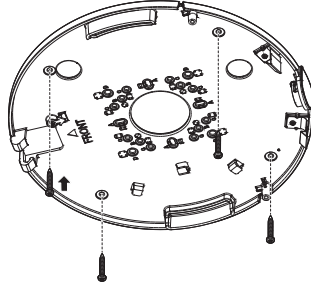
## Takma işlemi (montaj plakası)

### [Doğrudan tavana montaj]

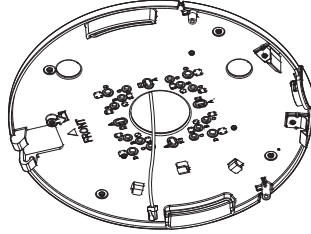
1-1. Montaj şablonunu istenilen yüzeye takın ve vidalar ile kablolar için delikler açın.



1-2. Montaj plakasını uygun vidalar kullanarak sabitleyin.



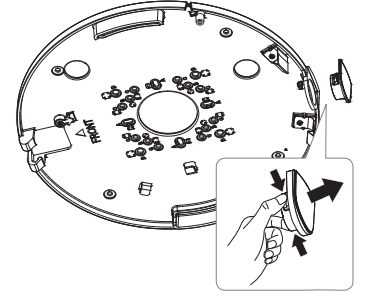
1-3. Montaj plakasındaki delikten Güç / LAN / ses ve alarm kabloları arasındaki gerekli kabloları çekerek çıkarın.



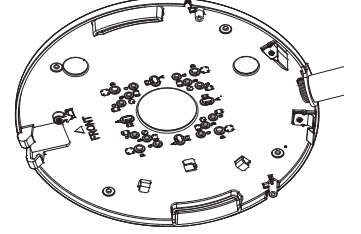
### [Boru aracılığıyla takma]

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

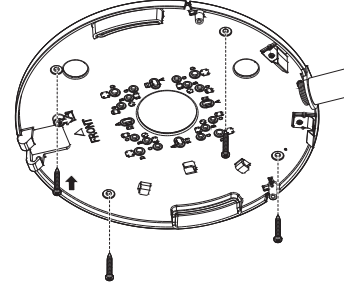
2-2. Montaj plakasının boru kapağını yan taraflarına bastırarak ayırın.



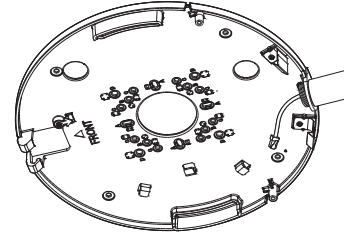
2-3. Boruyu montaj plakasına yerleştirin.



2-4. Montaj plakasını uygun vidalar kullanarak sabitleyin.



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

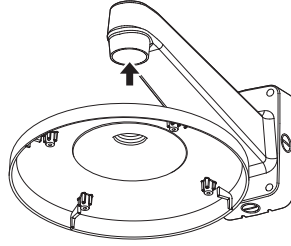


### [Bağımsız adaptöre bağlama]

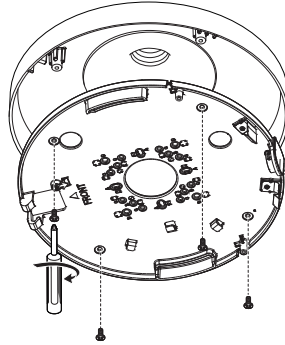
Aşağıdaki seçeneklerden (bağımsız) montaj alanına veya rahatınıza uygun, gerekli bir tanesini seçip satın alın.

#### 3-1. Asma parçasını duvara montaj adaptörüne takın.

- Duvara montaj adaptörleri ve asma parçaları ayrı olarak satılmaktadır.

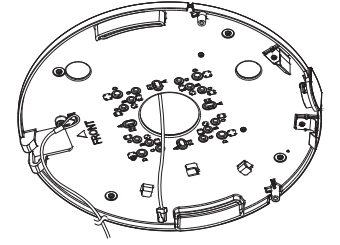


#### 3-2. Montaj plakasını ve asma aparatını bağlayın.



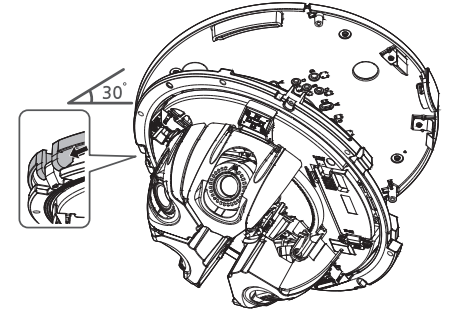
### Kurulum (kamera gövdesi ve dom kapağı)

#### 1. Güvenlik kablosunu bağlayın.



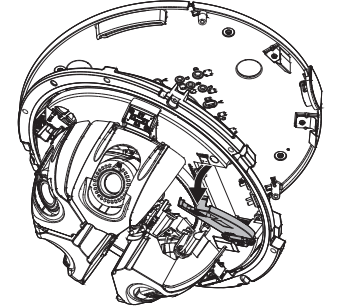
#### 2. Kamera gövdesini montaj plakasına takın.

- Gövdeyi, resimde gösterildiği gibi menteşelere oturacak şekilde takın.

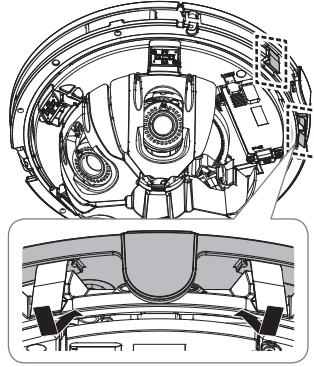


#### 3. Kamera gövdesindeki kablo kapağını açın.

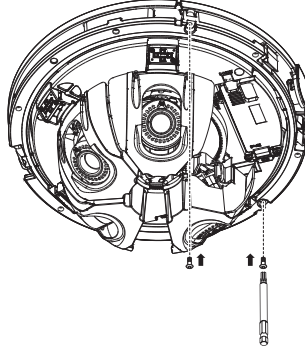
#### 4. Kameranın içindeki terminalleri, gerekli kablolarla bağlayın ve kablo kapağını kapatın.



5. Yaprak yayı, şekilde gösterildiği gibi yerine oturana kadar itin.

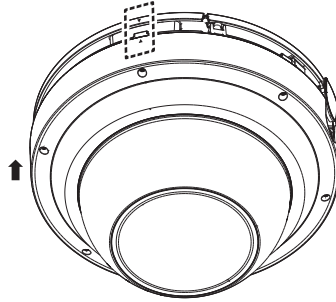


6. Kamera gövdesinde sabitleme vidalarını kullanarak, kamera gövdesini montaj plakasına sabitleyin.



7. Dom kapağını monte edin.

- Dom kapağını monte ederken okları aynı hizaya getirin.
- Su geçirme sorunu yaşamamak için matkap ucuyla sabitleme civatalarını sıkın.



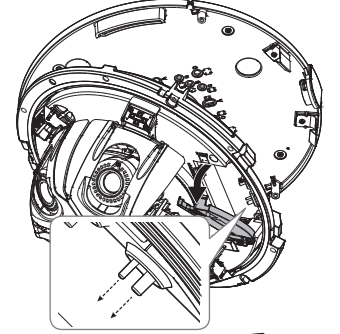
## Su geçirmez elektrik kablosunu ve LAN kablosunu bağlama



- Bağlanacak LAN kablosu için uygun bir kablo burcu kullanın.
  - Temel kamera: Ø5~6.5 çapında kablo kullanın.
  - Verilen bileşenler: Ø7~8.5 çapında kablo kullanın.

### [Yöntem 1. LAN/güç kablolarının takılması]

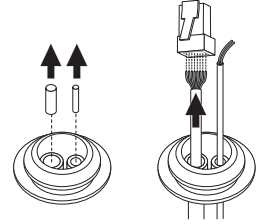
1. Kullanılacak olan burcun dışarı çıkmış parçalarını şekilde gösterildiği gibi çekerek koparın.



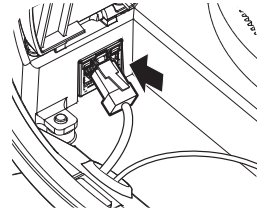
2. LAN kablosunu burcun büyük deliğinden geçirin.

3. Kablo kesicisiyle kılıfı sökün ve kabloları hizalayın.

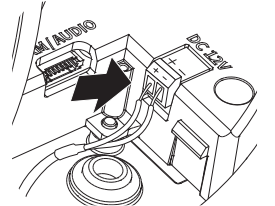
4. LAN kablosunu bir LAN konektörüne bağlayın ve LAN aracına takın.



5. Tamamlanmış kabloyu HPoE portuna bağlayın.

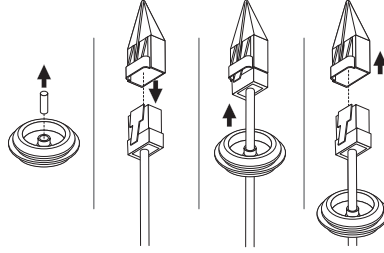


6. Güç kablosunu burcun küçük deliğinden geçirin ve temin edilen terminal bloğuna bağlayın.

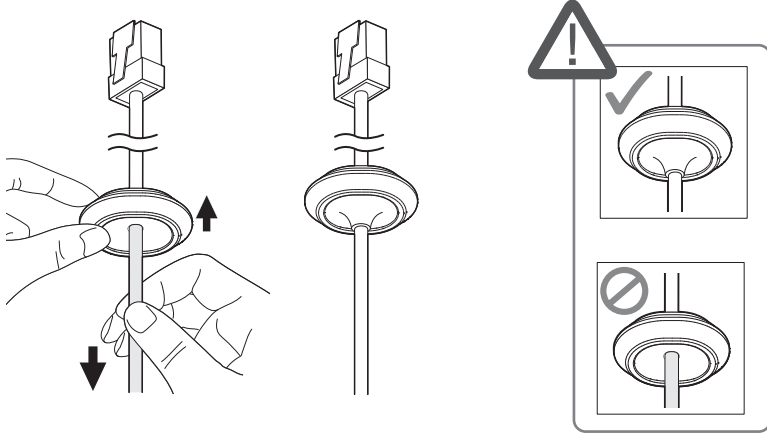


### [Yöntem 2. LAN kablusunun takılması (HPoE enjektörünü kullanarak)]

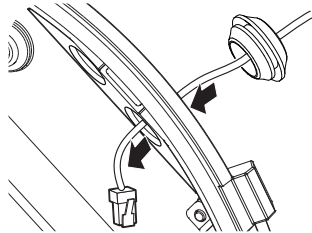
1. Temin edilen 1 delikli burcun dışarı çıkmış parçasını çekerek koparın.
2. LAN kablusundan geçirmek için kapak montaj parçasını kullanın.



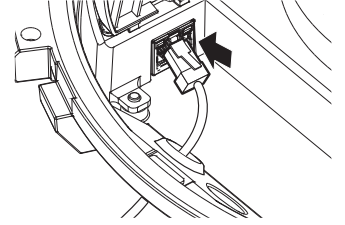
3. Su geçirmezlik koruması için, kablo burcunun altındaki kabloyu aşağıdaki şekilde gösterildiği gibi aşağı doğru çekin.



4. Burcu kamera gövdesine monte edin.

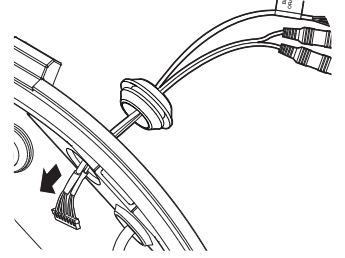


5. LAN kablusunu HPoE portuna bağlayın.

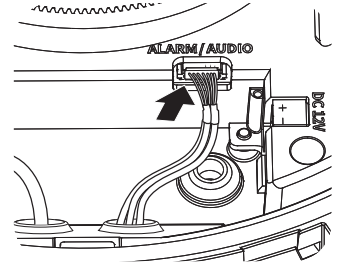


### Ses ve alarm kablolarının takılması

1. Temin edilen ses ve alarm kablolarının burcunu kamera gövdesine takın.



2. Ses ve alarm kablusunu ALARM / SES terminaline bağlayın.



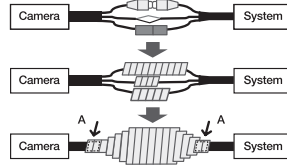
## Dış mekan montajı

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, SES 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.

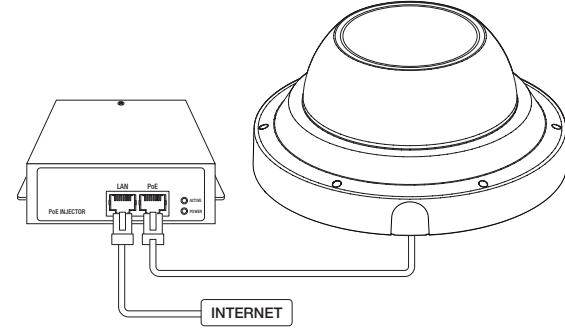
- Kablo kaplamasının su geçirmezliği düzgün sağlanmadığında bu durum doğrudan sızıntıya neden olabilir. Kabloyu yoğun bir bant katmanıyla koruduğunuzdan emin olun.
- Su geçirmez butil bant, normal uzunluğunun iki katına kadar esnetilebilen butil plastikten yapılmıştır.



## Diğer cihazlarla bağlantı

### Çalıştırma ve ağ bağlantısı

HPoE aygıtını kameranın HPoE terminaline bağlayın.



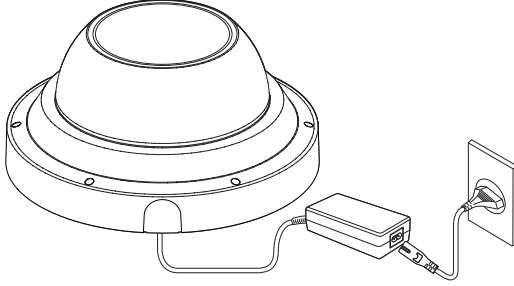
- HPoE özellikli bir yönlendirici bağlayın ve kullanın.
- IEEE802.3bt (PSE TİP 3 veya 4) standardına uygun bir HPoE cihaz kullanın.
- HPoE'nin etkin olduğu bir yönlendirici kullanarak bağlanıyorsanız çalıştırmak için ayrı bir güç kaynağı kablo suna ihtiyacınız yoktur.

### Ağ Kablosu Özellikleri

| Öge         | İçindekiler              | İşaret                                                                                    |
|-------------|--------------------------|-------------------------------------------------------------------------------------------|
| Konektör    | RJ45 (10/100/1000BASE-T) |                                                                                           |
| Ethernet    | 10/100/1000BASE-T        | 1000BASE-T ile çalışmak için, Giga hub'da Kategori 6 veya üstü bir kablo kullanılmalıdır. |
| Kablo       | Kategori 6               |                                                                                           |
| Maks Mesafe | 100M                     | DC direnci $\leq 0.188 \Omega/m$                                                          |
| HPoE        | HPoE                     |                                                                                           |

## Güç Kaynağı

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



- DC 12V 4A veya üstü bir adaptör önerilir.
- Üniteye güç sağlamak için HPoE enjektörlerini kullanmanızı öneririz.
- DC gücü ve HPoE enjektörünü aynı anda kullanmayın.
- Güç kablosunu bağlarken kutupları ters çevirmemeye dikkat edin.
- Harici bir cihaz bağlamak isterseniz, devam etmeden önce harici cihazı kapamanız gerekir.

## Güç Kablosu Spesifikasyonu

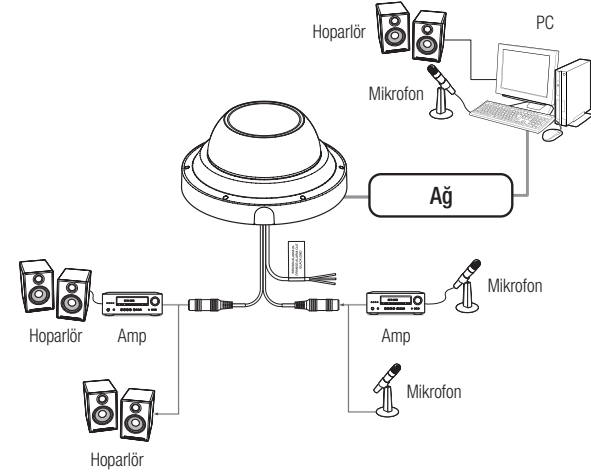
DC 12V girişi :

| Kablo Türü (AWG)       | #14 | #16 |
|------------------------|-----|-----|
| Kablo uzunluğu (Maks.) | 14m | 9m  |

## Ethernet Bağlantısı

Ethernet kablosunu yerel ağa veya internete bağlayın.

## Ses Giriş/Çıkışa Bağlamak



1. Kameranın AUDIO IN bağlantı noktasını mikrofona veya mikrofonun bağlı olduğu amplifikatörün LINE OUT bağlantı noktasına bağlayın.
2. Kameranın AUDIO OUT bağlantı noktasını hoparlöre veya hoparlörün bağlı olduğu amplifikatörün LINE IN bağlantı noktasına bağlayın.
3. Ses girişi için teknik özellikleri kontrol edin.

### • Ses Kodeği

- 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

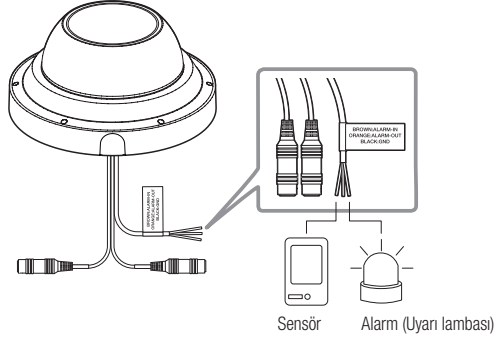
- **Ses Girişi** : Seçilebilir (mikrofon/Line-in), Desteklenen voltaj: 2,5 V DC (4 mA), Giriş empedansı: 2 kOhm
- **Ses Çıkışı** : Çıkış hattı (3.5mm mono jak), Maksimum çıkış: 1Vrms
- **Çıkış hattı öz direnci** : 600ohm

- 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)

## I/O bağlantı kutusuna bağlama

Alarm G/Ç kablосunu yuva kutusunun ilgili yuvasına bağlayın.



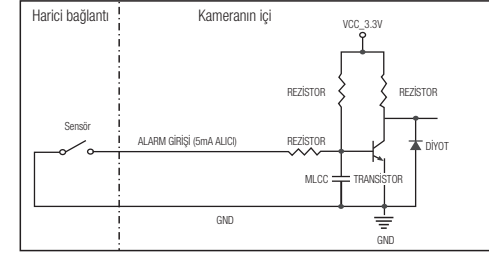
- ALARM-IN : Alarm giriş sensörünü veya harici gündüz/gece sensörünü bağlamak için kullanılır.
- ALARM-OUT : Alarm çıkış sinyalini bağlamak için kullanılır.
- GND : Alarm giriş/çıkış sinyali için ortak bağlantı noktası.

■ Gerilim ve akım özelliklerini aşan cihazlar (örn. Yanıp sönen ışık ve siren) açık kolektör yöntemi kullanılarak bağlanırsa, arızaya neden olabilir.  
Voltaj ve akım özelliklerini aşan cihazları bağlarken "**Alarm Çıkışı Kablo Şeması**" bölümüne bakın.

## Harici sensörü bağlamak için

Her bir sinyal hattının (2 telli) bir telini [ALARM IN] portuna, diğer telini ise [GND] portuna bağlayın.

## Alarm Girişi Kablo Şeması



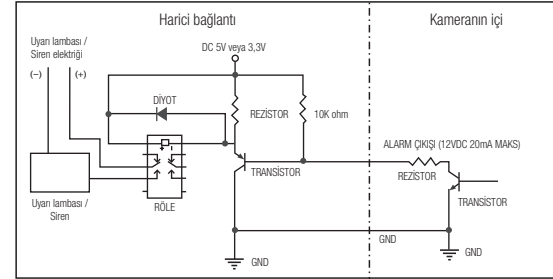
## Alarmı dışarıya bağlamak için

Gerilim ve akım özelliklerini aşan cihazlar (örn. Yanıp sönen ışık ve siren) açık kolektör yöntemi kullanılarak bağlanırsa, arızaya neden olabilir.

Gerilim ve akım şartnamelerini aşan cihazları bağlarken aşağıdaki alarm çıkışı şemasına bakın.

■ N.C. (Normal Kapatma) yöntemi desteklenmez.

## Alarm Çıkışı Kablo Şeması

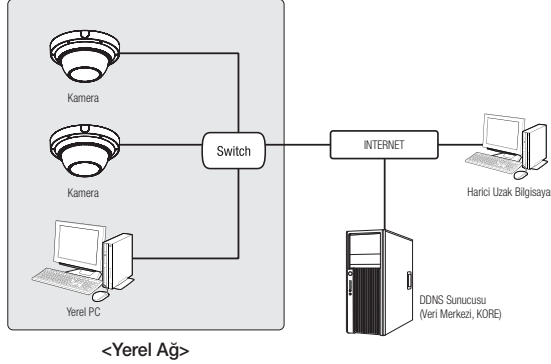


Ağ ayarlarınızı ağ yapılandırmanıza göre ayarlayabilirsiniz.

## KAMERAYI DOĞRUDAN YEREL ALAN AĞINA BAĞLAMAK

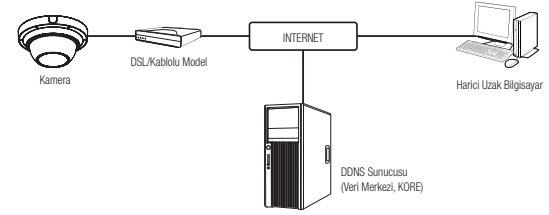
### Kameraya Lan Üzerinde Yerel Bir Pc'den Bağlanmak

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



- Eğer Port Yönlendirme Doğru Ayarlanmamışsa Ya Da Bir Güvenlik Duvar Ayarlıysa, Lan Ağı Dışından Harici Bir Pc İnternet Üzerinden Kameraya Bağlanamayabilir. Bu Durumda, Sorunu Çözmek İçin, Ağ Yöneticisi İle 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 20)

## KAMERANIN DOĞRUDAN BİR DHCP TABANLI DSL/KABLOLU MODEME BAĞLANMASI



1. Kullanıcı bilgisayarı 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. [Ayarlar] sayfasına gidin.
5. [Ağ] – [DDNS] sayfasına gidin ve DDNS ayarlarını yapılandırın.
6. [Basic] – [IP & Bağlantı Noktası] ögesine 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 OTOMATİK OLARAK ARAMA

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

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

## IP ADRESİNİ 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.

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

### Bir Geniş Bant yönlendirici kullanılmıyorsa

Ağ yöneticisinden <IP Adres>, <Alt Ağ 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 22)

### 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  | 192.168.1.100 | 192.168.1.101 |
|                                     | Subnet Mask | 255.255.255.0 | 255.255.255.0 |
|                                     | Gateway     | 192.168.1.1   | 192.168.1.1   |
| Bağlantı noktası ile ilgili ayarlar | HTTP Port   | 8080          | 8081          |
|                                     | RTSP Port   | 554           | 555           |



- <HTTP Port> 80 dışında bir değere ayarlanmıyorsa, kameraya erişilemek 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.

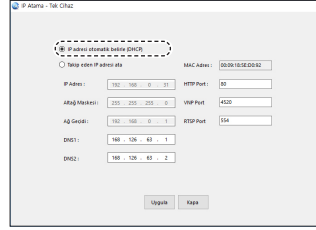
6. Başarılı mesajı görüntülenirse, [Tamam] seçeneğine tıklayın.

## Dinamik IP'yi Yapılandırma

DHCP'den IP adresini alın

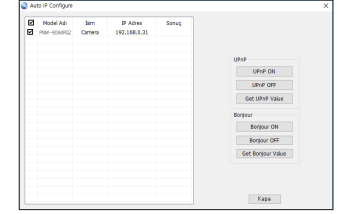
- Dinamik IP ortamı örneği
  - Kameraların bağlı olduğu bir Geniş Bant yönlendiricisine DHCP sunucusu tarafından bir IP adresi atanmışsa
  - Kamera, DHCP protokolleri kullanılarak doğrudan modeme bağlanıyorsa
  - IP'ler LAN aracılığıyla dahili DHCP sunucusu tarafından atanmışsa

1. Listeden IP ayarını değiştirmek istediğiniz kameraya tıklayın.
2. Device Manager'ın 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.



## IP'YI OTOMATİK OLARAK YAPILANDIRMA

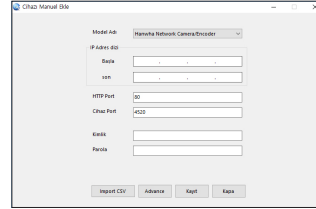
1. Listeden IP'sini otomatik olarak yapılandırmak istediğiniz kameraya tıklayın.
2. Device Manager'ın ana sayfasındaki < + > seçeneğine tıklayın.
  - Ekipman Ayarı menüsü görünür.
3. Menüde <Auto IP Configure (Oto IP Yapılandır)> seçeneğine tıklayın.
4. [Kapa] düğmesine tıklayın.



## 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.

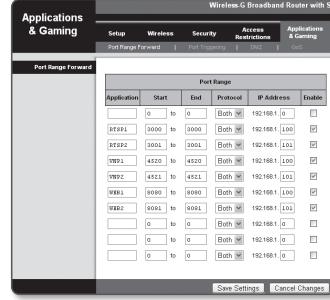


## BAĞLANTI NOKTASI ARALIĞI AKTARIM (BAĞLANTI NOKTASI EŞLEME) AYARI

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

### Manuel Bağlantı Noktası Aralığı Aktarımı

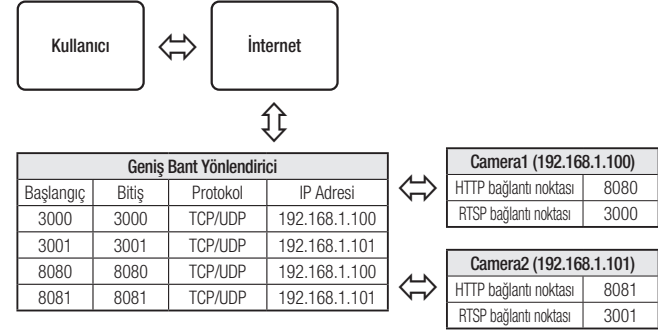
1. Geniş Bant yönlendiricinin Ayarlar menüsünden, **<Applications & Gaming>** - **<Port Range Forward>** öğelerini seçin.  
Bir üçüncü şahıs Geniş Bant yönlendiricisi için bağlantı noktası aralığı aktarımını ayarlamak için, ilgili Geniş Bant yönlendiricinin kullanıcı kılavuzuna başvurun.
2. Geniş Bant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



### 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 :



- 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.

- Yönlendiricinin UPnP (Evrensel Tak ve Çalıştır) özelliğini desteklemesi halinde, 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 BİR YEREL BILGISAYARDAN BAĞLANMA

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



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

## KAMERAYA İNTERNET ARACILIĞIYLA UZAK BİR 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>

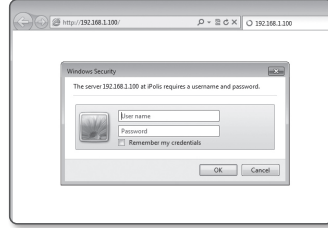


■ DDNS kullanmak için, DDNS ana sayfasında (<http://ddns.hanwha-security.com>) kaydolun ve ürünü **[DDNS Ayarlarını]>[Ürün Kaydı]** seçeneği altında kaydedin.

## 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.

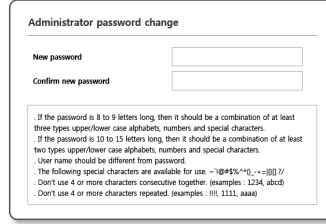
DDNS sunucusuyla dinamik IP bazlı bir aygıt kaydettiğinizde aygıt erişmeye çalıştığınızda değişen IP'yi kolayca kontrol edebilirsiniz.

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.

## ŞİFRE 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 tekrarlanması önerilir.
- Şifrenizi kaybettiyseniz, ürünü sıfırlamak için **[RESET]** düğmesine basabilirsiniz. Bir deftere not ederek ya da ezberleyerek şifrenizi kaybetmeyin.



Administrator password change

New password:

Confirm new password:

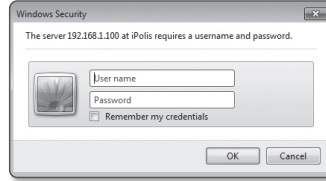
• If the password is 8 to 9 letters long, then it should be a combination of at least three types upper/lower case alphabets, numbers and special characters.  
• If the password is 10 to 15 letters long, then it should be a combination of at least two types upper/lower case alphabets, numbers and special characters.  
• User name should be different from password.  
• The following special characters are available for use: ~!@#\$%^&\*()\_-=+[]{}.,/?  
• Don't use 4 or more characters consecutive together. (examples: 1234, abcdef)  
• Don't use 4 or more characters repeated. (examples: IIII, 1111, aaaaa)

## 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]** ögesine tıklayın. Oturum Açma başarılı olduğunda, Live Viewer ekranı açılır.

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



Windows Security

The server 192.168.1.100 at iPolis requires a username and password.

User name:

Password:

☐ Remember my credentials

OK Cancel

- 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 GÖRÜNTÜLEYİCİSİ 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 işlemin detaylı tanımına bakmak için **<Yardım (?)>** düğmesine tıklayın.

## SORUN GİDERME

| SORUN                                                                                                         | ÇÖZÜM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safari tarayıcıda eklentisiz web görüntüleyiciye HTTPS aracılığıyla erişildiğinde hiçbir video görüntülenmez. | <ul style="list-style-type: none"> <li>• 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.</li> <li>• Aşağıdaki mesaj penceresinde "İleri" seçeneğini seçtikten sonra web görüntüleyici halen video görüntülemeye devam ederse, Safari tarayıcıdan çıkmak için komut tuşu + Q tuşuna basın, sayfaya yeniden erişin ve yukarıda belirtilen işlemleri uygulayın.</li> </ul> |
| Kameraya ağ tarayıcısından erişemiyorum.                                                                      | <ul style="list-style-type: none"> <li>• Kameranın Ağ ayarlarının uygun olduğuna emin olmak için kontrol edin.</li> <li>• Bütün ağ kablolarının düzgün olarak bağlandığına emin olmak için kontrol edin.</li> <li>• Eğer DHCP ile bağlanılmışsa, kameranın problemsiz olarak dinamik IP adresi alabildiğini kontrol edin.</li> <li>• Eğer kamera bir Geniş Bant yönlendiriciye bağlıysa, port yönlendirmenin doğru yapılandırıldığını kontrol edin.</li> </ul>                                                                                            |
| İzleme sırasında izleyici bağlantısı kopuyor.                                                                 | <ul style="list-style-type: none"> <li>• Bağlı izleyicilerin bağlantısı, kamerada ya da ağ yapılandırmasında yapılan değişikliklerle kopar.</li> <li>• Bütün ağ bağlantılarını kontrol ediniz.</li> </ul>                                                                                                                                                                                                                                                                                                                                                 |
| Ağa bağlı kamera, Device Manager programında algılanmaz.                                                      | <ul style="list-style-type: none"> <li>• PC'nizdeki güvenlik duvarını kapatın ve kamerayı tekrar aratın.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| SORUN                                                                                                                                                            | ÇÖZÜM                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Görüntüler üstüste biniyor.                                                                                                                                      | <ul style="list-style-type: none"> <li>• 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.</li> </ul>                                                                                           |
| Görüntü belirmiyor.                                                                                                                                              | <ul style="list-style-type: none"> <li>• Eğer iletim yöntemi multicast olarak ayarlanmışsa, kameranın bağlandığı LAN üzerinde multicast destekleyen yönlendirici olup olmadığını kontrol edin.</li> <li>• Objektif modülünün normal çalışıp çalışmadığını kontrol edin.</li> </ul>                                                                          |
| <Analiz> ögesinde <Hareket Algılama> seçeneği <Etkinleştirin> olarak ayarlandı ancak bir analiz olayı meydana geldiğinde bile bana e-posta bildirimini ulaşıyor. | <ul style="list-style-type: none"> <li>• Ayarları şu sırayla doğrulayın:<br/>A. &lt;Tarih ve Saat&gt; ayarlarını kontrol edin.<br/>B. &lt;Hareket Algılama&gt; ögesi &lt;Etkinleştirin&gt; seçeneğine ayarlanmalıdır.<br/>C. &lt;Olay Ayarı&gt; menüsünün &lt;E-posta&gt; seçeneğinin kullanımı için işaretlenip işaretlenmediğini kontrol edin.</li> </ul> |
| Micro SD bellek kartına kayıt yapılamıyor.                                                                                                                       | <ul style="list-style-type: none"> <li>• Bellek kartının hasarlı olup olduğunu kontrol edin.</li> </ul>                                                                                                                                                                                                                                                     |
| Micro SD bellek kartı takılı ama kamera düzgün çalışmıyor.                                                                                                       | <ul style="list-style-type: none"> <li>• Bellek kartının doğru yönde takılıp takılmadığını kontrol edin. Başka cihazlarda biçimlendirilen bir bellek kartı bu kamera biriminde çalışmayabilir</li> <li>• &lt;Ayarlar&gt; → &lt;Olay&gt; → &lt;Depolama&gt; menüsünde bellek kartını tekrar biçimlendirin.</li> </ul>                                        |

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| bash-4.3.30        | GPL 3.0 |                                            |
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It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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revised on June 17, 2004  
revised on December 21, 2006  
revised on March 24, 2009

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Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)

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Jean-loup Gailly Mark Adler

[jloup@gzip.org](mailto:jloup@gzip.org) [madler@alumni.caltech.edu](mailto: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](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).



Hanwha Vision üretimin tüm aşamalarında çevreye özen gösterir ve müşterilerine daha çevre dostu ürünler sağlayabilmek için gerekli tedbirleri alır.  
Eco işareti, Hanwha Vision in çevre dostu ürünler yaratma isteğini temsil eder ve ürünlerin AB RoHS Talimatlarını uygun olduğunu gösterir.



### Bu Ürünün Uygun Şekilde Atılması (Atık Elektrikli ve Elektronik Ekipman)

(Aynı toplama sistemlerine sahip Avrupa Birliği ülkeleri ve diğer Avrupa ülkelerinde geçerlidir)

Ürün, aksesuarlar veya literatürde yer alan bu işaret, ürünün ve elektronik aksesuarlarının (örn. şarj cihazı, kulaklık, USB kablosu), kullanım ömürlerinin sonunda diğer ev atıklarıyla birlikte atılması gerektiğini belirtir. Kontrolsüz atık atılması nedeniyle çevrenin veya insan sağlığının zarar görmesini önlemek için lütfen bu öğeleri diğer atık türlerinden ayırın ve malzeme kaynaklarının sürdürülebilir bir şekilde yeniden kullanılmasını sağlamak için uygun bir şekilde geri dönüşümünü sağlayın.

Ev kullanıcıları, çevreye zarar vermeden bu öğelerin nasıl ve nerede geri dönüşümünü sağlayabileceklerini öğrenmek için ürünü aldıkları perakendecilere veya yerel devlet dairelerine başvurmalarıdır. Ticari kullanıcılar tedarikçileriyle temas kurup satın alma sözleşmesinin koşullarını ve şartlarını kontrol etmelidir. Bu ürün ve elektronik aksesuarları atma işlemi için diğer ticari atıklarla karıştırılmamalıdır.



### Bu üründe bulunan pillerin doğru şekilde atılması

(Avrupa Birliği'nde ve aynı pil dönüşüm sistemlerine sahip diğer Avrupa ülkelerinde geçerlidir.)

Pil, kullanma kılavuzu veya ambalajın üzerinde yer alan bu işaret, bu üründe bulunan pillerin çalışma ömürlerini doldurdıklarında diğer evsel atıklarla birlikte atılmaması gerektiğini belirtmektedir. İşaretlenmiş olduklarında, Hg, Cd veya Pb kimyasal sembollerinin pilin 2006/66 EC Direktifinde belirtilen referans seviyelerinin üzerinde cıva, kadmiyum veya kurşun içerdiğini belirtir. Pillerin uygun şekilde atılmaması halinde, bu maddeler insan sağlığına veya çevreye zarar verebilir. Doğal kaynakları korumak ve malzemelerin yeniden kullanılmasını desteklemek için, lütfen pilleri diğer atık türlerinden ayırın ve yerel, ücretsiz pil dönüşüm sisteminin aracılığıyla geri dönüştürün.



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