

TERMAL AĞ KAMERASI

Kullanım Kılavuzu

TNO-4030T/TNO-4040T/TNO-4041T

TNO-4050T/TNO-4051T

TNO-4030TR/TNO-4040TR/TNO-4041TR

TNO-L4030T/TNO-L4030TR

Termal Ağ Kamerasi

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 yayına koymayın.
9. Güvenlik amaçlı polarize veya topraklamalı tip fişi bozmayın.
Polarize fiş, biri diğerinden daha geniş iki ağıza sahiptir. Topraklama tipi fiş iki ağıza 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 24 Vac (50/60 Hz) min.0.91 A veya 12 Vdc, min.0.83 A dereceli bir Listelenmiş Güç Kaynağı Ünitesinden alacak şekilde tasarlanmıştır.
16. Ürünü kurarken aşırı güç kullanırsanız, kamera hasar görebilir ve arıza yapabilir.
Uyumsuz aletler kullanarak ürünü zorla yüklerseniz, ürün hasar görebilir.
17. 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.
18. Ürünü kurarken, ürün yüzeyinin kimyasal madde ile lekelenmesine izin vermemeye dikkat edin.
Temizleyici veya yapıştırıcı gibi bazı kimyasal solventler ürünün yüzeyine ciddi hasar verebilir.
19. Ürünü tavsiye edildiği şekilde kurmazsanız/kaldırmazsanız, üretim işlevleri/performans garanti edilemez.
Kullanıcı kılavuzundaki "Kurulum ve Bağlantı" bölümüne bakarak ürünü kurun.
20. Ürünün su içinde kurulması veya kullanılması ürüne ciddi zararlar verebilir.



UYARI

YANGIN VEYA ELEKTRİK ŞOKU RİSKİNİ 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

	DİKKAT ELEKTRİK ÇARPMA RİSKİ VARDIR AÇMAYIN	
DİKKAT : ELEKTRİK ÇARPMA RİSKİNİ AZALTMAK İÇİN ARKA KAPAĞI KALDIRMAYIN (VEYA ARKASINI AÇMAYIN) KULLANICININ MÜDAHELE EDEBİLECEĞİ PARÇA BULUNMAMAKTADIR. YETKİLİ SERVİS PERSONELİNE BAŞVURUNUZ.		

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

Anızalanması 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.

Kolay kurulum için üründe CVBS çıkış terminali bulunur ve izleme amacı için önerilmez.

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

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.
- Kameraları 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 güvenliğinizi için okuyun ve güvenli bir yerde saklayın.

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.

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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 BELLEK KARTI ÖZELLİK

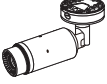
- Önerilen kapasite: 16 GB ila 256 GB (MLC veya 3D TLC tipi gereklidir)
- Önerilen Üreticiler : SanDisk, Transcend, Samsung
- Ürün tipi: Yüksek dayanıklılık, profesyonel dayanıklılık
- Uyumluluk, kart üreticilerine ve tiplerine bağlı olarak değişir.

NAS İÇİN ÖNERİLEN TEKNİK ÖZELLİKLER

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

DAHİL OLANLAR (TNO-4030T/4040T/4050T/4030TR/4040TR/L4030T/L4030TR)

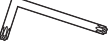
Kameranızın ve aksesuarlarınızın ürün ambalajında bulunup bulunmadığını lütfen kontrol edin.
(Satış yapılan her ülkede aksesuar aynı değildir.)

Görünüm	Öge Adı	Adet	Açıklama
	Kamera	1	
	Hızlı Kullanma Kılavuzu (İsteğe bağlı)	1	
	Garanti kartı (İsteğe bağlı)	1	
	Monitör test kablosu	1	Kameranın taşınabilir bir görüntü cihazına bağlantısını test etmek için kullanılır
	Şablon	1	Ürün montaj rehberi
	Güç Terminali Bloğu	1	Elektrik prizine takılı
	Ses/alarm Terminal Bloğu	1	Ses / alarm fişi takılı
	Güç Kablosu	1	Güç girişine takmak için kullanılır

Görünüm	Öge Adı	Adet	Açıklama
	Allen Anahtarı	1	Dome kapağını çıkarmak ve değiştirmek için kullanılır
	Ses/alarm kablosu	1	Ses ve alarm girişine bağlantı için kullanılır
	Kılavuz Vida	4	Duvara ya da tavana montaj için kullanılır
	Güneşlik	1	Kamerayı direkt güneş ışığından korur.
	Güneşlik Tutacağı	1	Güneşliği kameraya sabitlet.
	BASE WALL MOUNT	1	Kamerayı duvara asmak için ayarlanması gereken adaptör
	Kablo burcu	1	Ø7~8.5 çapında LAN kablosu bağlamak için kullanılır.

DAHİL OLANLAR (TNO-4041T/4051T/4041TR)

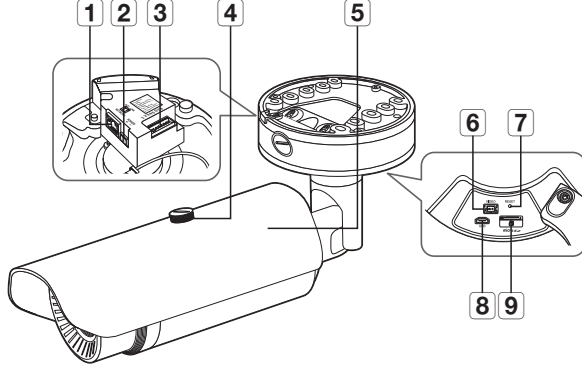
Kameranızın ve aksesuarlarınızın ürün ambalajında bulunup bulunmadığını lütfen kontrol edin.
(Satış yapılan her ülkede aksesuar aynı değildir.)

Görünüm	Öge Adı	Adet	Açıklama
	Kamera	1	
	Hızlı Kullanma Kılavuzu (isteğe bağlı)	1	
	Garanti kartı (isteğe bağlı)	1	
	Monitör test kablosu	1	Kameranın taşınabilir bir görüntü cihazına bağlantısını test etmek için kullanılır
	Güç Terminali Bloğu	1	Elektrik prizine takılı
	Ses/alarm Terminal Bloğu	1	Ses / alarm fişi takılı
	Güç Kablosu	1	Güç girişine takmak için kullanılır
	Yıldız anahtar	1	PT braketini ana gövdeye sabitlemek için kullanılır
	Ses/alarm kablosu	1	Ses ve alarm girişine bağlantı için kullanılır

Görünüm	Öge Adı	Adet	Açıklama
	Güneşlik	1	Kamerayı direkt güneş ışığından korur.
	Güneşlik Tutacağı	1	Güneşliği kameraya sabitler.
	Su geçirmez durdurucu	1	Kablonun çıkışı olmayan bir deliği kapatmak için kullanılır
	Su geçirmez adaptör	1	Kablo aralığı: Ø2 mm (minimum) ~ Ø6 mm (maksimum) Kabloları bağlamak için kullanılır (Öm: Güç kablosu) ※ Kamerayla verilen kablo rakorları Ø4,5 mm(minimum) ~ Ø10 mm (maksimum) kablo için geçerli olacaktır

İLK BAKIŞ (TNO-4030T/4040T/4050T/4030TR/4040TR/L4030T/L4030TR)

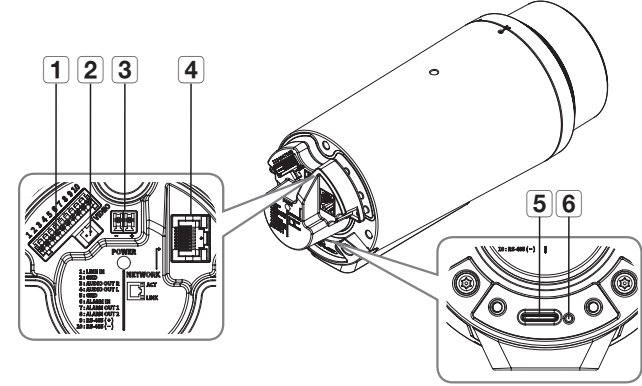
Görünüm & Ek Cihazlar



Madde	Açıklama
1 Ağ Bağlantı Noktası	Ağ bağlantısı için PoE veya Ethernet kablosunu bağlamada kullanılır.
2 Güç Bağlantı Noktası	Güç kablosunu takmak için kullanılır.
3 Ses ve alarm kablosu girişi	Ses ve alarm kablolarının bağlanacağı port.
4 Güneşlik Tutacağı	Güneşliği kameraya sabitler.
5 Güneşlik	Kamerayı direkt güneş ışığından korur.
6 Test Monitörü Çıkışı	Video çıkışı izlemesinin test edilmesi için çıkış portu. Mobil ekrana bağlanmak için test monitörü kablosunu kullanın ve test videosunu kontrol edin.
7 Reset Düğmesi	Düğme, tüm kamera ayarlarını fabrika varsayılan ayarlarına geri döndürür. Sistemi yeniden başlatmak için yaklaşık 5 saniye basılı tutun. 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.
8 MICRO USB bağlantı noktası	Wi-Fi dongle'inin bağlanacağı bağlantı noktası. Akıllı telefondaki uygulamaları kullanarak yükleme videosuna göz atabilirsiniz. Sayfa 15'deki "WiFi dongle'na bağlanma" bölümüne bakın. WiFi dongle'i, ve OTG adaptörü ayrı satılır.
9 Micro SD kart yuvası	(Ürünün içindeki boşluk) Bu, bir Micro SD kart takabileceğiniz bir yuvadır.

İLK BAKIŞ (TNO-4041T/4051T/4041TR)

Görünüm & Ek Cihazlar



Madde	Açıklama
1 Ses ve alarm kablosu girişi	Ses ve alarm kablolarının bağlanacağı port.
2 Test Monitörü Çıkışı	Video çıkışı izlemesinin test edilmesi için çıkış portu. Mobil ekrana bağlanmak için test monitörü kablosunu kullanın ve test videosunu kontrol edin.
3 Güç Bağlantı Noktası	Güç kablosunu takmak için kullanılır.
4 Ağ Bağlantı Noktası	Ağ bağlantısı için PoE veya Ethernet kablosunu bağlamada kullanılır.
5 Micro SD kart yuvası	(Ürünün içindeki boşluk) Bu, bir Micro SD kart takabileceğiniz bir yuvadır.
6 Reset Düğmesi	Düğme, tüm kamera ayarlarını fabrika varsayılan ayarlarına geri döndürür. Sistemi yeniden başlatmak için yaklaşık 5 saniye basılı tutun. 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.

KURULUM (TNO-4030T/4040T/4050T/4030TR/4040TR/L4030T/L4030TR)

- ! Bu fotoğraf makinesi, su geçirmezdir ve IP66 şartnamesine uygundur, ancak harici kabloya bařlanan jak uygun deřildir. Kablonun tamamen aıkta kalmasını önlemek için bu ürünü saak kenarlarının altına yüklemeniz önerilir.

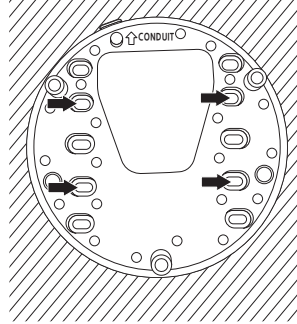
Kurulumdan Önce Alınması Gereken Önlemler

Kamerayı kurmadan önce ařağıdaki talimatları mutlaka okuyun:

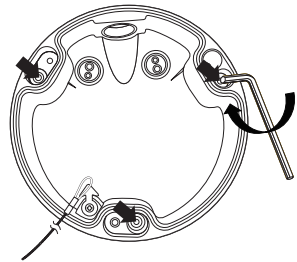
- Montaj braketi de dahil olmak üzere kameranın ağırlığının 5 katı ağırlığa dayanabilecek bir alana (tavan veya duvar) monte edilmelidir.
- Sıkıştırılmış veya soyulmuş kablolar hasara neden olabilir veya yangın çıkarabilir.
- Güvenlik açısından, kurulum alanında kimsenin bulunmamasını saęlayın. Her ihtimale karřı özel eşyalarınızı kurulum alanından uzak tutun.
- Güneřlik deliğini, güneřlięi baęlamaktan başka bir amaç için kullanmayın.
- Ürünü kurarken aşırı güç kullanırsanız, kamera hasar görebilir ve anıza yapabilir. Uyumsuz aletler kullanarak ürünü zorla yüklerseniz, ürün hasar görebilir.

Kurulum

- Duvara montaj kadesini sabitlemek için ürünle birlikte verilen dört kulavuz vidayı kullanın.

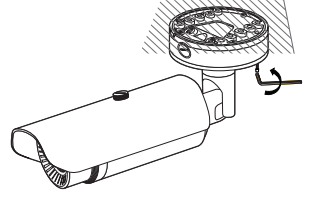


- Güvenlik kablosunu alt kapaktaki ok gibi görünen halkaya takın.
- İlgili kablolar kamera terminallerine baęlayın.
- Alt kapağı duvar montaj kadesinin üzerine yerleřtirdikten sonra, üç vidayı tutturmak için ürünle birlikte verilen L anahtarını kullanın.
- Kamerayı alt kapağına yerleřtirdikten sonra, üç vidayı üst kapağına tutturmak için ürünle birlikte verilen L anahtarını kullanın.



- Birlikte verilen L anahtarını kullanarak kameranın yönünü ayarlayın.

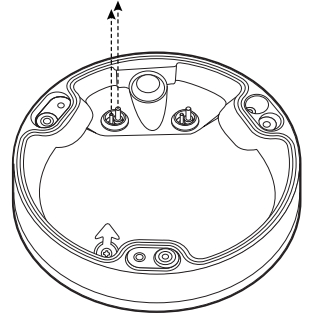
- ! Kamera konumunu bir destek kullanarak ayarlarken, destek vidasını gevřetin, kamerayı ayarlayın ve vidayı sıkın. Vida sıkılmış durumdayken güç uygulayarak ayarlamaya kalkışmanız durumunda, çizilme veya başka sorunlar oluşabilir.



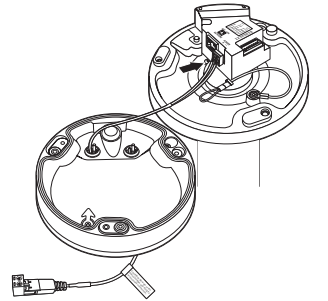
Su geçirmez elektrik kablosunu ve LAN kablosunu baęlama

- Ařağıdaki şekilde görüldüğü gibi, alt kapağın alt tarafındaki kauçuk kapağın çıkıntılı kısmını kaldırın.

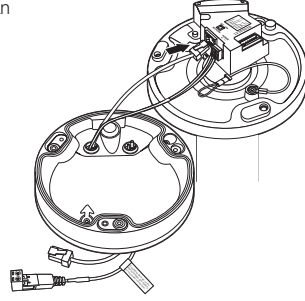
- ! Baęlanacak LAN kablosu için uygun bir kablo burcu kullanın.
- Temel kamera: Ø5~6.5 apında kablo kullanın.
 - Verilen bileřenler: Ø7~8.5 apında kablo kullanın.



- Güç kablosunu, yukarıda adım 1'de belirtilen çıkıntılı parçayı kaldırdığınızda oluşan küçük deliğe sokun.
- Elektrik kablosunu elektrik terminal blokuna baęlayın.

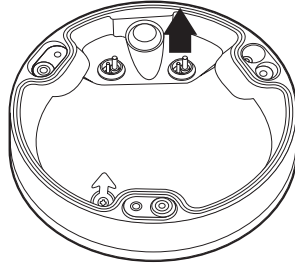


4. Yukarıda adım 1 plastik tapanın çıkıntılı kısmını çıkararak oluşturulan büyük deliğe LAN kablolarını yerleştirin.
5. Kablo kesicisiyle kılıfı sökün ve kabloları hizalayın.
6. LAN kablolarını bir LAN konektörüne bağlayın ve LAN aracına takın.
7. Tamamlanan kabloyu Ethernet girişine bağlayın.

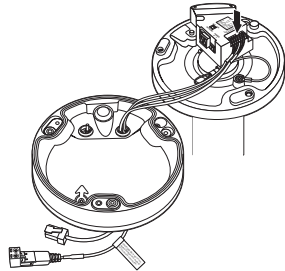


Alarm ve ses kablolarının bağlanması

1. Aşağıdaki şekilde görüldüğü gibi, alt kapağın alt tarafındaki kauçuk kapağı çıkarın.



2. No. 1'deki kauçuk kapağın çıkartılmasıyla oluşturulan delik aracılığıyla alarm/ses kablolarını sokun ve kabloyu alarm terminaline bağlayın.
3. Kabloyu kamera monte edilirken hasar görmeyecek veya karışmayacak şekilde hizalayın.
4. Alarm/ses kablolarında bulunan kauçuk kapağı deliğe takın.



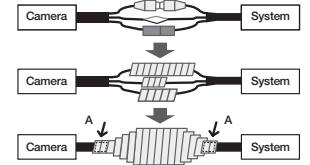
Dış mekan montajı

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

1. G/Ç ve ses gibi kabloları 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.



KURULUM (TNO-4041T/4051T/4041TR)



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

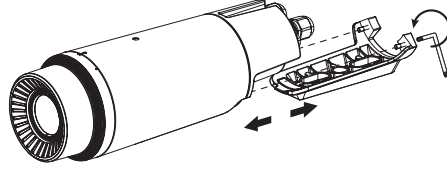
Kurulumdan Önce Alınması Gereken Önlemler

Kamerayı kurmadan önce aşağıdaki talimatları mutlaka okuyun:

- Montaj braketi de dahil olmak üzere kameranın ağırlığının 5 katı ağırlığa dayanabilecek bir alana (tavan veya duvar) monte edilmelidir.
- 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.
- Güneşlik deliğini, güneşliği bağlamaktan başka bir amaç için kullanmayın.
- Ürünü kurarken aşırı güç kullanırsanız, kamera hasar görebilir ve arıza yapabilir. Uyumsuz aletler kullanılarak ürünü zorla yüklerseniz, ürün hasar görebilir.

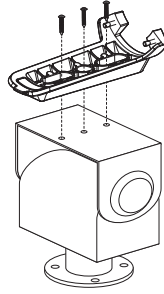
Kurulum

1. PT braketini ana gövdeden ayırmak için yıldız anahtarı kullanın.



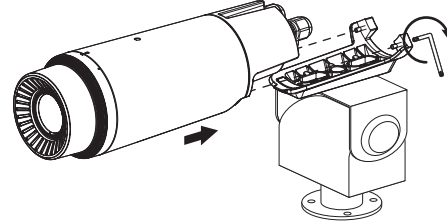
2. PT sürücüyü ve PT braketini, şekilde gösterildiği gibi üç deliğe vidalayarak sıkıştırın.

■ PT sürücü ürünle birlikte verilmaz.



3. PT braketini ve ana gövdeyi sabitlemek için yıldız anahtarı kullanın.

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

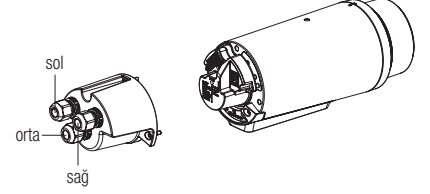


Su geçirmez elektrik kablosunu ve LAN kablosunu bağlama

1. Aşağıdaki şekilde görüldüğü gibi, alt kapağın alt tarafındaki kauçuk kapağın çıkıntılı kısmını kaldırın.

■ 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.



2. Yukarıdaki 1. adımda bahsedilen kauçuk tıpanın çıkıntılı kısmını çıkartarak, güç kablosunu orta deliğin içine yerleştirin.
3. Elektrik kablosunu elektrik terminal blokuna bağlayın.
4. Yukarıdaki 1. adımda bahsedilen kauçuk tıpanın çıkıntılı kısmını çıkartarak, LAN kablosunu sağdaki deliğin içine yerleştirin.
5. Kablo kesicisiyle kılıfı sökün ve kabloları hizalayın.
6. LAN kablosunu bir LAN konektörüne bağlayın ve LAN aracına takın.
7. Tamamlanan kabloyu Ethernet girişine bağlayın.
8. Yukarıdaki 1. adımda bahsedilen kauçuk tıpanın çıkıntılı kısmını çıkartarak, terminal bloğu kablosunu soldaki deliğin içine yerleştirin.

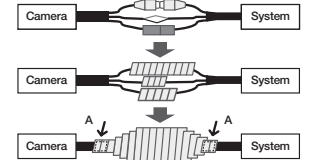
Dış mekan montajı

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■ 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.

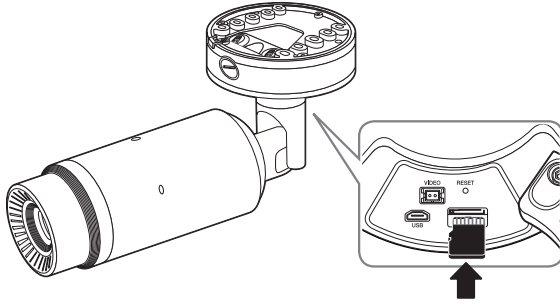


MİCRO SD BELLEK KARTININ TAKILMASI/ÇIKARILMASI

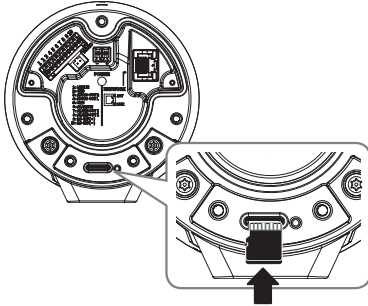
- ❗ Micro SD bellek kartını takmadan önce güç kablosunu kameradan çıkarın.
- Micro SD bellek kartını ters tutarak ve zorlayarak takmayın. Aksi takdirde Micro SD bellek kartı zarar görebilir.
- Micro SD kartın yağmur yağarken ya da nem yüksek olduğunda takılması veya çıkarılması önerilmez.

Micro SD Bellek Kartının Takılması

Micro SD kartı, şekilde gösterildiği gibi ok yönünde takın.



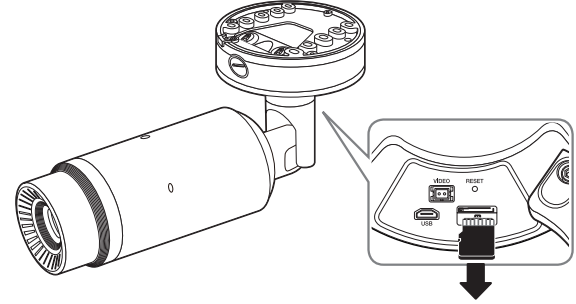
<TNO-4030T/4040T/4050T/4030TR/4040TR/L4030T/L4030TR>



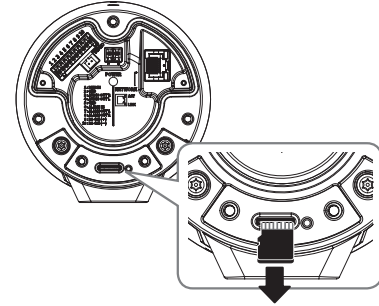
<TNO-4041T/4051T/4041TR>

Micro SD Bellek Kartının Çıkarılması

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



<TNO-4030T/4040T/4050T/4030TR/4040TR/L4030T/L4030TR>



<TNO-4041T/4051T/4041TR>

- ❗ Micro SD bellek kartına çok sert basılması, bırakıldığında kartın kontrol edilemeyen bir şekilde dışarı çıkmasına neden olabilir.
- 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.

HAFIZA KARTI BİLGİSİ (DAHİL DEĞİL)

Hafıza kartı nedir?

Hafıza kartı, dijital cihazlar kullanılırken video, ses ve metin verilerini kaydetmek ve paylaşmak için geliştirilmiş harici veri depolama cihazıdır.

Size uygun bir hafıza kartı seçmek

Kameranız Micro SD/SDHC/SDXC kartlarını destekler.

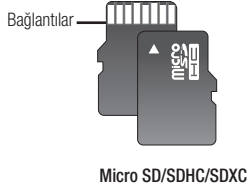
Ancak hafıza kartının markası ve modeline göre uyumluluk sorunlarını deneyebilir.

Bu kamera için aşağıdaki üreticilerin aşağıda belirtilen bellek kartı türleri önerilir.

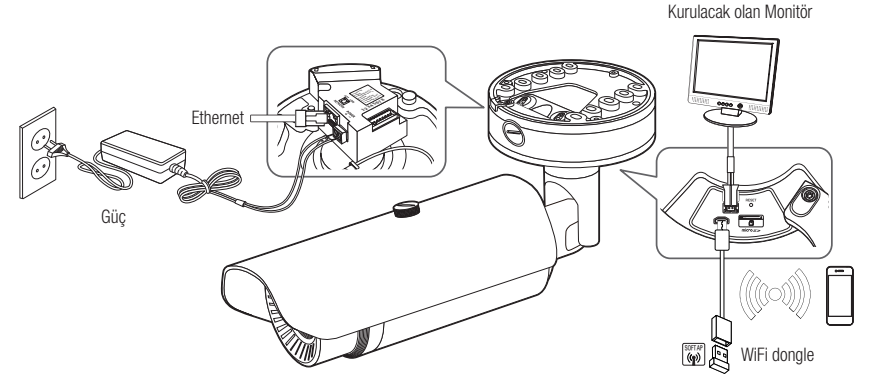
- Üretici: SanDisk, Transcend
- Ürün ailesi: Yüksek dayanıklılık

Bu kamerayla 16 GB ila 256 GB (MLC tipi) bellek kartlarının kullanılması önerilir.

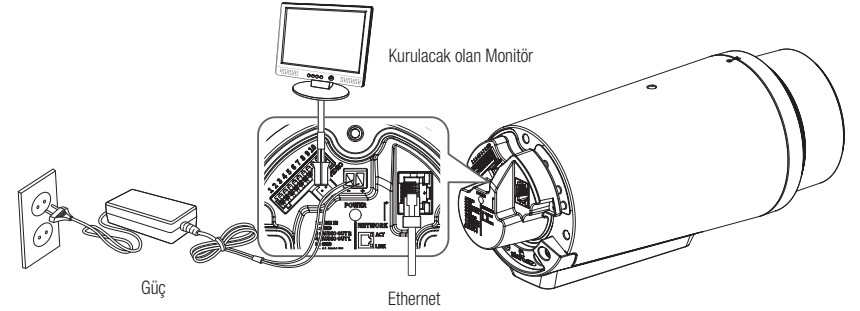
Oynatma performansı, bellek kartının hızına bağlı olarak değişebilir.



DİĞER CİHAZLARLA BAĞLANTI



<TNO-4030T/4040T/4050T/4030TR/4040TR/L4030T/L4030TR>



<TNO-4041T/4051T/4041TR>



- Kolay kurulum için üründe CVBS çıkış terminali bulunur ve izleme amacı için önerilmez.
- Kolay kurulum için üründe Micro USB çıkış terminali bulunur ve izleme amacı için önerilmez.
- Ekranın belirli bir zaman aralığıyla veya ortam sıcaklığı değiştiğinde yaklaşık 1-2 saniye boyunca donması normaldir; bu durum ekranın bir kalibrasyon işlemi gerçekleştirdiği anlamına gelir.

Ethernet Bağlantısı

Ethernet kablosunu yerel ağa veya İnternete bağlayın.

Wi-Fi Bağlantısı (TNO-4030T/4040T/4050T/4030TR/4040TR/L4030T/L4030TR)

Kamera Ayarı

1. OTG adaptörünü (5 pimli) ve Wi-Fi dongle'ini mikro USB terminaline bağlayın.

Akıllı Telefon Kurulumu

1. Wisenet kurulum uygulamasını yükleyin.
2. Wi-Fi'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 görüş açısını ayarlayabilirsiniz.

Önerilen dongle üreticisi

Üretici	Model
NETIS	WF2123 n300
EDIMAX	EW-7811Un V2 (Yeni sür.)
IP Time	N100mini
IP Time	N105L
TP-LINK	TL-WN823N V1
TP-LINK	TL-WN725N
TP-LINK	T2U Nano
ASUS	USB-N13
ASUS	USB-N10 NANO
NETGEAR	WNA3100M
IODATA	WN-G150UMW
IODATA	WN-S150UM
TOTOLINK	N300UM

Güç Kaynağı

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



- PoE ve DC 12V veya PoE ve AC 24V güç aynı anda sağlandığında, ekipman harici bir kaynaktan güç alır (AC 24V, DC 12V).
 - Video kameraya güç beslemesi sağlamak için PoE özelliğine sahip bir yönlendirici de kullanabilirsiniz.
 - IEEE 802.3af protokolü ile uyumlu bir PoE kullanın.
 - Ekipmana, PoE, DC 12 ve AC 24V arasında sadece birisi ile tek bir kaynaktan güç verilmesi önerilir.
- Güç kablosunu bağlarken kutupları ters çevirmemeye dikkat edin.
- Güç ilk kez açıldığında ekranın sabitlenmesi için biraz zaman geçmesi gerekir. Bu nedenle ekran kalibrasyonu ekranın ilk açılışında gerçekleştirilir.
- 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.

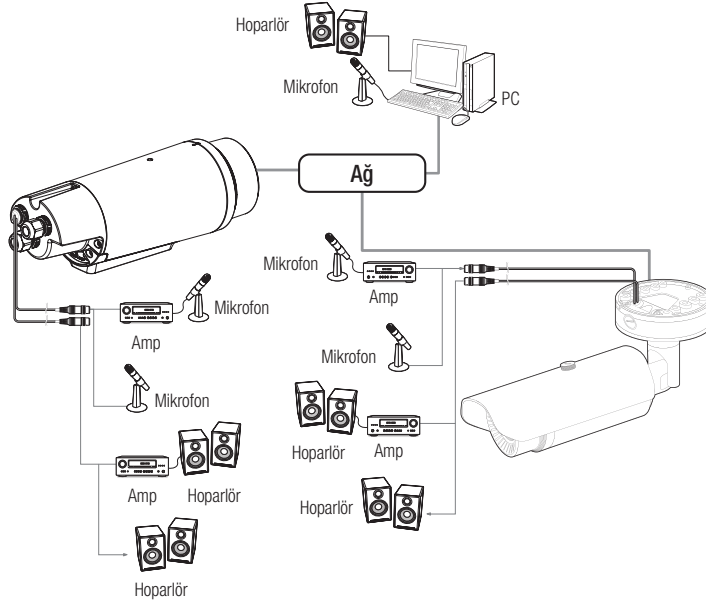
Her Bir Model için Güç Kablosu Özellikleri

Giriş gücü	Kablo Tipi (AWG)	Kablo Uzunluğu (Maks.)
DC 12V	#18	19m
	#16	30m
AC 24V	#20	26m
	#18	40m

Ağ Kablosu Özellikleri

Öge	İçindekiler	İşaret
Konektör	RJ45	
Ethernet	10/100Base-T	10/100 Mbps
Kablo	UTP Kategori 5e	
Maks Mesafe	100M	
PoE Desteği	IEEE 802.3af	

Ses Giriş/Çıkışa Bağlamak



1. Kameranin AUDIO IN bağlantı noktasını mikrofona veya mikrofona bağlı olduğu amplifikatörün LINE OUT bağlantı noktasına bağlayın.
2. Kameranin 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

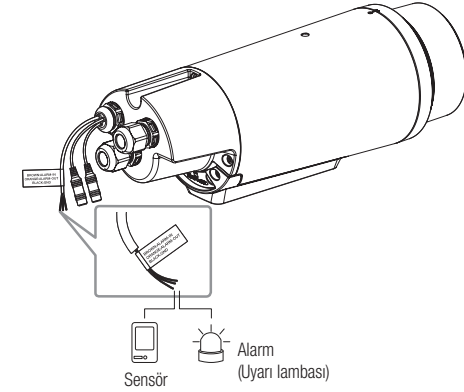
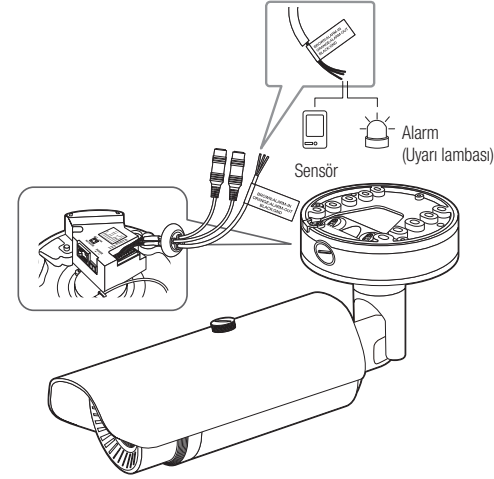
- Ses Girişi : G.711 PCM (Bit Hızı: 64Kbps / Örnekleme Frekansı: 8kHz), G.726 ADPCM (Bit Hızı: 16Kbps, 24Kbps, 32Kbps, 40Kbps / Örnekleme Frekansı: 8kHz), AAC (Bit Hızı: 48Kbps / Örnekleme Frekansı: 16kHz)
- Ses Çıkışı : G.711 PCM (Bit Hızı: 64Kbps / Örnekleme Frekansı: 8kHz)

• Tam ÇiftYönlü Ses

- **Audio in** : Seçilebilir (mikrofon/Hat girişi), Desteklenen voltaj: 2.5VDC (4 mA), Giriş impedansı: 2K Ohm
- **Audio out** : Çıkış hattı (3.5mm mono jak), Maksimum çıkış: 1Vrms
- **Çıkış hattı öz direnci** : 600ohm

I/O bağlantı kutusuna bağlama

Alarm G/Ç kablosunu 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.

RS-485 Ayarları (TNO-4041T/4051T/4041TR)

Yukarıda bahsedilen bu işlemlerin tümü yalnızca ağ kamerası pan/egim uyumlu alıcıya düzgün şekilde bağlandıysa etkinleştirilir. Pan/egim işlemleri için seri portu doğru biçimde belirlenmelidir.

- Bağlı olduğunda alıcı tarafından desteklenen işlevleri kontrol eder. Alıcı veya protokol özelliğine bağlı olarak bazı işlevler devre dışı kalabilir. Daha fazla ayrıntı için aşağıdaki tabloya bakın.

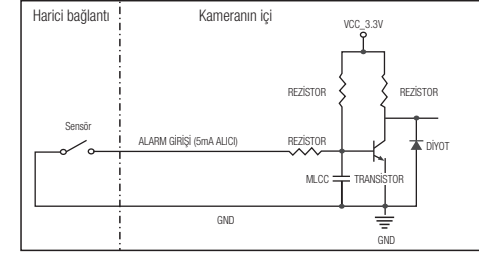
Her Bir Protokol için Desteklenen İşlevler

Protokol	P kontrolü	P hareket hızı	T kontrolü	T hareket hızı	Ön ayar	Uyarılar
SAMSUNG-T	0	0 (1~6)	0	0 (1~6)	0	
PELCO-D	0	0 (1~6)	0	0 (1~6)	0	
PELCO-P	0	0 (1~6)	0	0 (1~6)	0	
SUNGJIN	0	X	0	X	0	PT yönü (Yukarı, aşağı, sol, alt)
PANASONIC	0	0 (1~6)	0	0 (1~6)	0	
HONEYWELL	0	0 (1~6)	0	0 (1~6)	0	
AD	0	0 (1~6)	0	0 (1~6)	0	
VICON	0	0 (1~6)	0	0 (1~6)	0	
GE	0	0 (1~6)	0	0 (1~6)	0	
BOSCH	0	0 (1~6)	0	0 (1~6)	X	

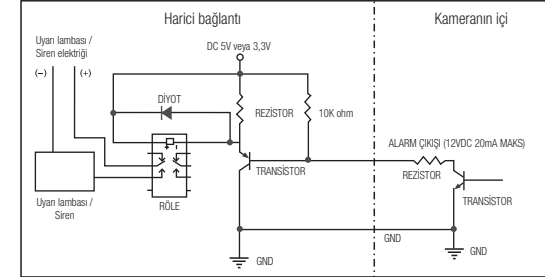
Harici sensörü bağlamak için

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

Alarm Girişi Kablo Şeması



Alarm Çıkışı Kablo Şeması



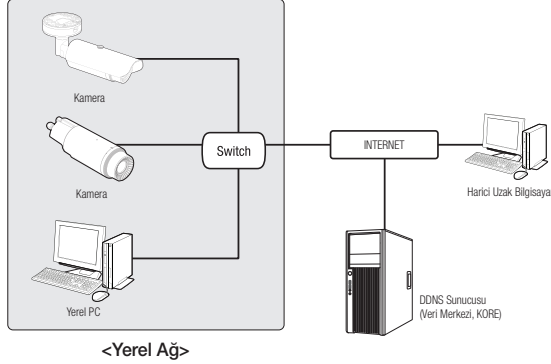
ağ bağlantısı ve kurulumu

Ağ ayarlarınızı ağ yapılandırmanıza göre ayarlayabilirsiniz.

KAMERAYI DOĞRUDAN YEREL ALAN AĞINA BAĞLAMAK

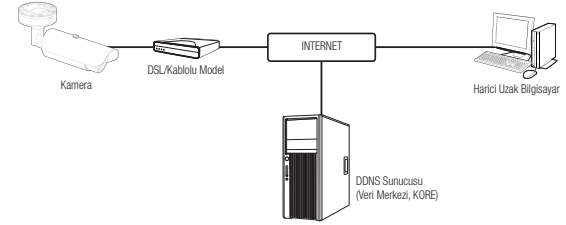
Kameraya Lan Üzerinde Yerel Bir Pc'den Bağlanmak

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.
- Device Manager'da, IP Adresi, Alt Ağ Maskesi, Ağ Geçidi, HTTP Portu, VNP Portu, IP türü ayarlarını yapmak için ilk parola olan "4321"i kullanabilirsiniz. Ağ arabirimini değiştirdikten sonra, güvenliğin daha iyi olmasını sağlamak için web viewer'a erişip şifreyi değiştirin.
- 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)

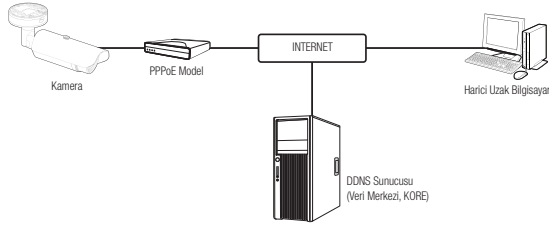
KAMERANIN DOĞRUDAN BİR DHCP TABANLI DSL/KABLOLU MODEME BAĞLANMASI



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.

KAMERANIN DOĞRUDAN PPPoE MODEME BAĞLANMASI

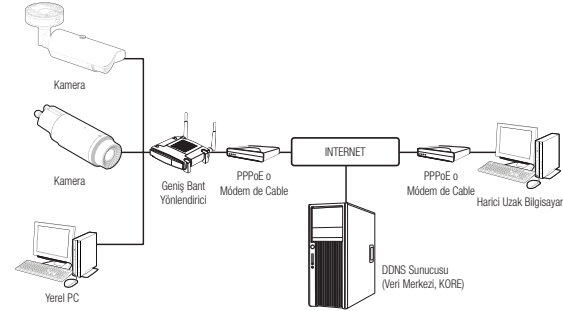


1. Kullanıcı bilgisayarını doğrudan ağ kamerasıyla bağlayın.
2. Device Manager'ı çalıştırın ve İnternet'e bağlanmak için masaüstünüzdeki web tarayıcısını kullanabilmek amacıyla kameranın IP adresini değiştirin.
3. İnternet tarayıcısını kullanarak web görüntüleyiciye bağlanın.
4. [Ayarlar] sayfasına gidin.
5. [Ağ] – [DDNS] sayfasına gidin ve DDNS ayarlarını yapılandırın.
6. [Basic] – [IP & Bağlantı Noktası] Ayar Sayfasına gidin, IP türünü [PPPoE] olarak ayarlayın ve ağ hizmeti kimliğini ve şifresini girin.
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.

KAMERANIN BİR GENİŞ BANT YÖNLENDİRİCİYE PPPoE/KABLO MODEMLE BAĞLANMASI

Evler, SOHO ve ufak dükkanlar gibi küçük ağ ortamları içindir.



Bir Geniş Bant yönlendiriciye bağlı yerel bilgisayarın ağ ayarlarının yapılandırılması

Bir Geniş Bant yönlendiriciye bağlı yerel PC'nin ağ ayarlarının yapılandırılması için aşağıdaki talimatları takip edin.

- Seçin : <Network> → <Properties> → <Local Area Connection> → <General> → <Properties> → <Internet Protocol (TCP/IP)> → <Properties> → <Obtain an IP address automatically> ya da <Use the following IP address>.
- Eğer <Use the following IP address> seçtiyseniz aşağıdaki talimatları takip edin:
 - örn1) Eğer Geniş Bant yönlendiricinin adresi (LAN IP) 192.168.1.1 ise
 IP address : 192.168.1.100
 Alt Ağ Maskesi : 255.255.255.0
 Varsayılan Ağ Geçidi : 192.168.1.1
 - örn2) Eğer Geniş Bant yönlendiricinin adresi (LAN IP) 192.168.0.1 ise
 IP address : 192.168.0.100
 Alt Ağ Maskesi : 255.255.255.0
 Varsayılan Ağ Geçidi : 192.168.0.1
 - örn3) Eğer Geniş Bant yönlendiricinin adresi (LAN IP) 192.168.xxx.1 ise
 IP address : 192.168.xxx.100
 Alt Ağ Maskesi : 255.255.255.0
 Varsayılan Ağ Geçidi : 192.168.xxx.1
- Geniş Bant yönlendiricinin adresi için ürün belgelerine bakınız.
- Geniş bant yönlendiricinin bağlantı noktası iletimi hakkında daha fazla bilgi için bkz. "Bağlantı Noktası Aralığı Aktarım (Bağlantı Noktası Eşleme) Ayarı". (sayfa 22)

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.
- VNP Port : Video sinyal aktarımını kontrol etmek için kullanılır, varsayılan değer 4520'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
	VNP Port	4520	4521
	RTSP Port	554	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.

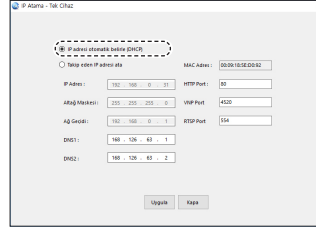
6. Başarılı mesajı görüntülenirse, [Tamam] seçeneğine tıklayın.

Dinamik IP'yi Yapılandırma

DHCP'den IP adresini alın

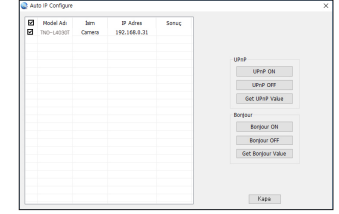
- Dinamik IP ortamı örneği
 - Kameraların bağlı olduğu bir Geniş Bant yönlendiricisine DHCP sunucusu tarafından bir IP adresi atanmışsa
 - Kamera, DHCP protokolleri kullanılarak doğrudan modeme bağlanıyorsa
 - IP'ler LAN aracılığıyla dahili DHCP sunucusu tarafından atanmışsa

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

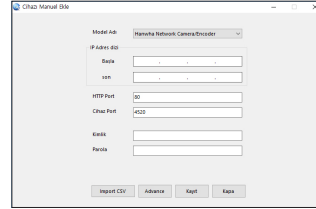
1. Listeden IP'sini otomatik olarak yapılandırmak istediğiniz kameraya tıklayın.
2. Device Manager'ın ana sayfasındaki < + > seçeneğine tıklayın.
 - Ekipman Ayarı menüsü görünür.
3. Menüde <Auto IP Configure (Oto IP Yapılandır)> seçeneğine tıklayın.
4. [Kapa] düğmesine tıklayın.



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, VNP portu, kimlik ve şifre bilgilerini ekleyin.
4. [Kayıt] düğmesine tıklayın.
5. Kameranın kayıtlı olup olmadığını kontrol edin.
 - Kameraya yapıştırılmış etiketteki MAC adresini kontrol edin.

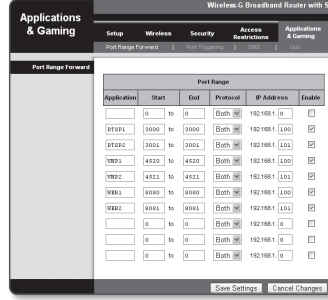


BAĞLANTI NOKTASI ARALIĞI AKTARIM (BAĞLANTI NOKTASI EŞLEME) AYARI

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.

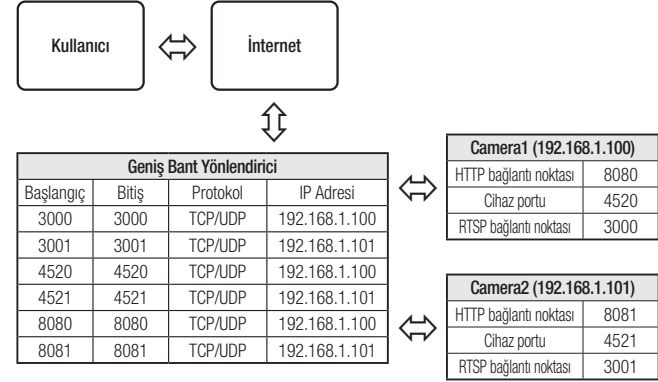


- Port yönlendirme ayarı, CISCO IP yönlendirici ayarına bir örnektir.
- Ayarlar, bağlı Geniş Bant yönlendiricisinin modeline göre farklılık gösterebilir.
Daha ayrıntılı bilgi için, geçerli yönlendiricinin kullanım kılavuzuna bakın.

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 :



- 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 tıklanır.
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>

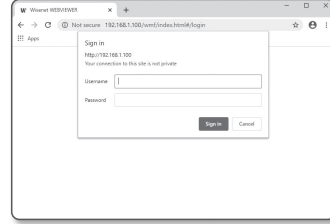


■ DDNS kullanmak için, DDNS ana sayfasında (<http://ddns.hanwha-security.com>) kaydolun ve ürünü **[DDNS Ayarlarını]>[Ürün Kaydı]** seçeneği altında kaydedin.

KAMERAYA BAĞLAMA

Normal koşullar altında aşağıdakileri yapmanız gerekir

1. İnternet tarayıcısı 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 tarayıcısı 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 tarayıcısı 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.

DDNS adresinin kontrol edilmesi

Kamera doğrudan DHCP kablolu modeme, DSL modeme veya PPPoE modeme bağlıysa, her ISP (İnternet Hizmet Sağlayıcısı) sunucusuna bağlanmaya çalıştığınızda ağınızın IP adresi değişecektir. Böyle bir durumda DDNS tarafından değiştirilen IP adresi size bildirilmez.

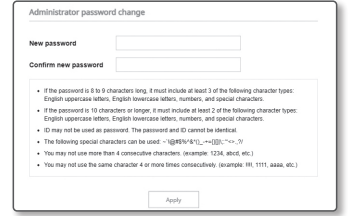
DDNS sunucusuyla dinamik IP bazlı bir aygıt kaydettiğinizde aygıtta erişmeye çalıştığınızda değişen IP'yi kolayca kontrol edebilirsiniz. Cihazınızı <DDNS> sunucusuna kaydetmek için http://ddns.hanwha-security.com adresini ziyaret edin ve öncelikle cihazınızın kaydını yapın ve sonra Ağ Görüntüleyici'yi <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 :
~!@#\$\$%^&*()_+=[]{}|;:'" <>.,?/
- Şifre için boşluğa izin verilmez.
- 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.
Yöneticinin kimliği olan "admin", Web Viewer'da değiştirilebilir.
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.



- 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
Bir Windows 10 kullanıcısı Chrome veya Firefox aracılığıyla web görüntüleyiciye eriştiğinde, mikrofona 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.
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 izleyici bağlantısı kopuyor.	- Bağlı izleyicilerin bağlantısı, kamerada ya da ağ yapılandırmasında yapılan değişikliklerle kopar. - Bütün ağ bağlantılarını kontrol ediniz. - Eğer kamera bir PPPoE ağına bağlıysa, izleyicinin bağlantısının kopması kötü ağ koşullarından kaynaklanıyor olabilir.
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> ögesinde <Hareket Algılama> seçeneği <Etkinleştirin> olarak ayarlandı ancak bir analiz olayı meydana geldiğinde bile bana e-posta bildirimi ulaşmıyor.	- Ayarları şu sırayla doğrulayın: <Tarih ve Saat> ayarlarını kontrol edin. <Hareket Algılama> ögesi <Etkinleştir> seçeneğine ayarlanmalıdır. <Olay Ayarı> menüsünün <E-posta> seçeneğinin kullanımı 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 kart değiştirilirken, işlem ürünün güç bağlantısı kesildiği zaman yapılmalıdır.
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 <Ayarlar> → <Olay> → <Depolama> menüsünde bellek kartını tekrar biçimlendirin.
NAS'a kaydedilemiyor.	NAS'a kaydedilen bilginin doğru olduğunu doğrulayın.
NAS ayarının başansız olduğu bildiriliyor.	- NAS IP adresinin geçerli olduğunu doğrulayın. - NAS kimlik/sifre bilgilerinin geçerli olduğunu doğrulayın. - NAS kimliğini kullanarak temel klasör olarak atanan klasöre erişebildiğinizi doğrulayın. - NAS SMB/CIFS öğelerinin işaretli olmadığını doğrulayın. - NAS IP adresi ile kamera IP adresi biçiminin aynı olduğunu doğrulayın. Örn.) NAS ve kamera alt ağ maskesi varsayılan değeri 255.255.255.0'dır. IP adresi 192.168.20.32 olduğunda NAS IP adresinin 192.168.20.1~192.168.20.255 aralığında olması gerekir. - Kaydedilen veya kullanılan temel klasörü biçimlendirmeden başka bir kullanıcı olarak erişim sağlamaya çalışarak kontrol edin. - Önerilen NAS ekipmanını kullandığınızı doğrulayın.
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iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	http://ftp.netfilter.org/pub/iptables
ethtool-4.2	GPL 2.0	
mtdd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtdd-utils
mi-diag-2.11	GPL 2.0	
rp-pppoe-3.11	GPL 2.0	http://www.roaringpenguin.com/pppoe/
wpa_supplicant-2.5	GPL 2.0	
bash-4.3.30	GPL 3.0	
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neon-0.29.6	LGPL 2.0	http://www.webdav.org/neon/

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- Version 1.1

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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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established by T-Engine Forum
on January 23, 2004
revised on June 17, 2004
revised on December 21, 2006
revised on March 24, 2009

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 2. The Header File; provided that the Header File shall be distributed together with the Binary Code of the Ported Source Code.
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 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.
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5. The provision set forth in Article 3 shall apply to the Ported Source Code registered in accordance with this Article.

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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

Mark Gates

Ajay Tirumala

Jim Ferguson

Jon Dugan

Feng Qin

Kevin Gibbs

John Estabrook

National Laboratory for Applied Network Research

National Center for Supercomputing Applications

University of Illinois at Urbana-Champaign

<http://www.ncsa.uiuc.edu>

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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](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

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Hanwha Vision üretimin tüm aşamalarında çevreye özen gösterir ve müşterilerine daha çevre dostu ürünler sağlayabilmek için gerekli tedbirleri alır.
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Bu Ürünün Uygun Şekilde Atılması (Atık Elektrikli ve Elektronik Ekipman)

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