

AĞ KAMERASI

Kullanım Kılavuzu

PNM-9030V

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 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, "Class 2" veya "LPS" olarak işaretlenen ve 12 VDC, 1.57 A veya PoE, 0.5 A olarak derecelendirilmiş Listelenen Güç Kaynağı Ünitesi ile kullanılmak üzere 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.



21. Söz konusu mesafenin dışında ekran bozulması meydana gelebilir.

22. Çoklu kanallara (Kanal 1-5) erişirken, 15 K/s olarak ayarlanmış K/s değerinden 1 veya 2 K/s düşüş yaşanabilir.

23. Kodlama yaparken, ± 1 K/s'lik bir gerçek zamanlı K/s dalgalanması meydana gelebilir.

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.

Cihazı 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.

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

ITE yalnızca PoE+ ağlarına bağlanabilir, harici bir tesise yönlendirilemez.

Lütfen aşağıdaki önerilen güvenlik önlemlerini dikkatle okuyun.

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

Kullanım Kılavuzu, ürünlerin nasıl kullanılabileceğini gösteren bir kılavuz kitaptır.

Kitaptaki kullanım sembolü şu anlamlara gelmektedir.

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

※ Lütfen bu kılavuzu ürünleri kullanmadan önce 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
- Desteklenen İşletim Sistemi : MS Windows, Mac OS X
- Desteklenen web tarayıcılar : Google Chrome, MS Edge, Mozilla Firefox(sadece Windows 64bit), Apple Safari (sadece Mac OS X)

Lütfen doğrulanmış işletim sistemleri ve tarayıcılar hakkında ayrıntılı bilgi için eke bakın.
Bazı işlevler desteklenen tarayıcılarda bile kısıtlanmış olabilir.

TAVSİYE EDİLEN MICRO SD/SDHC/SDXC BELLEK KARTI ÖZELLİK

- Önerilen kapasite: 16 GB ila 256 GB (MLC tipi)
- Bu kamera için aşağıdaki üreticilerin aşağıda belirtilen bellek kartı türleri önerilir.
 - Üretici: SanDisk, Transcend
 - Ürün ailesi: Yüksek dayanıklılık

NAS İÇİN ÖNERİLEN TEKNİK ÖZELLİKLER

- Önerilen kapasite : 200GB veya üstü önerilir.
- Eşzamanlı erişim : Tek bir NAS birimi en çok on altı kameranin erişimini kabul edebilir.
- Bu kamera için, aşağıdaki üretici teknik özelliklerine sahip bir NAS kullanmanız önerilir.

Önerilen ürünler	Mevcut boyutlar
QNAP/SYNOLGY	Eşzamanlı olarak en fazla 16 kamera erişebilir.



- NAS ekipmanını video kaydetmek dışında bir amaçla kullanıyorsanız, erişilebilir kamera sayısı düşürülebilir.

DAHİL OLANLAR

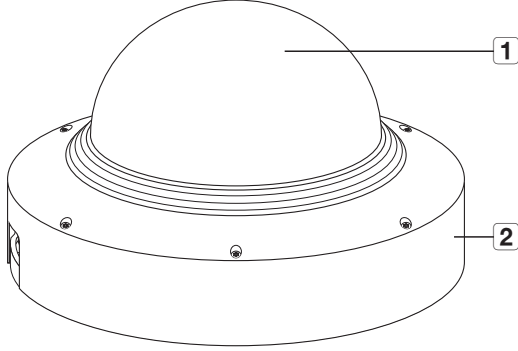
Kameranızın ve aksesuarlarınızın ürün ambalajında bulunup bulunmadığını lütfen kontrol edin.
(Satış yapılan her ülkede aksesuar aynı değildir.)

Görünüm	Öge Adı	Adet	Açıklama
	Kamera	1	
	Talimat kitabı, Installer yazılım CD'si	1	
	Hızlı Kullanma Kılavuzu (İsteğe bağlı)	1	
	Garanti kartı (İsteğe bağlı)	1	
	Güç Terminali Bloğu	1	Elektrik prizine takılı
	Şablon	1	Ürün montaj rehberi
	Güç Kablosu	1	Güç girişine takmak için kullanılır
	Ses/alarm kablosu	1	Ses ve alarm girişine bağlantı için kullanılır
	Kablo burcu	1	Ø7~8.5 çapında LAN kablosu bağlamak için kullanılır.
		1	Ø5~6.5 çapında LAN kablosu bağlamak için kullanılır.

Görünüm	Öge Adı	Adet	Açıklama
	Allen Anahtarı	1	Dome kapağını çıkarmak ve değiştirmek için kullanılır
	Kılavuz Vida	4	Duvara ya da tavana montaj için kullanılır
	Dübel	4	Vidaları sabitlemek için kullanılır, Deliklere takılır (sabitleme kuvvetini artırır)
	Makine Vidaları	4	Ürün boruya, duvara, vb. monte edilirken kubbe muhafazasını birleştirmek veya delikleri tıkmak için kullanılır.
	Kapak Montaj Parçası	1	RJ45 kablosunu bağlamak için kullanılır
	Kart tipi nem emici	1	Kurulduğunda takılıdır.
	Matkap ucu	1	Dom kapağının sökülmesi, montajı ve kamera kurulumu için kullanılır.

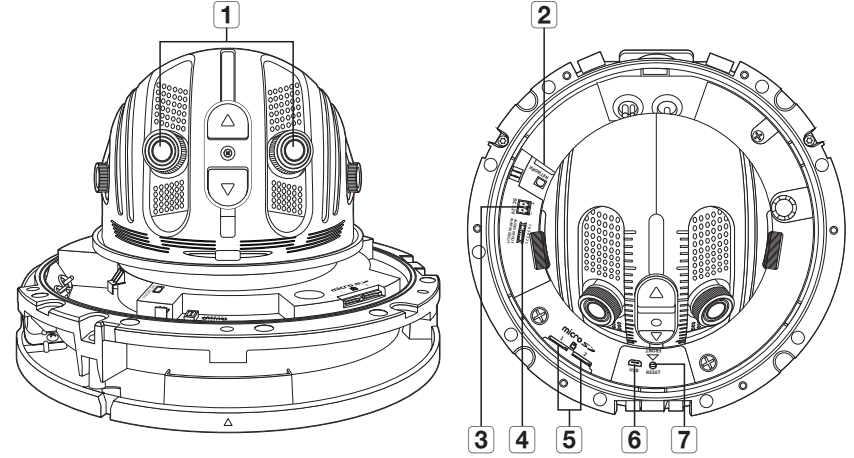
İLK BAKIŞ

Görünüm



Madde	Açıklama
1 Dome Kapağı	Mercek ve ana birimi korumakta kullanılan muhafaza kapağı.
2 Kamera Muhafazası	Kamera gövdesini kapatan yuva bölümü.

Ek Cihazlar



Madde	Açıklama
1 Mercek	4 kamera lensi panoramik bir görüntü oluşturur.
2 Ağ Bağlantı Noktası	RJ-45 kablosu üzerinden PoE+ veya LAN'a bağlanan bir terminal.
3 Güç Bağlantı Noktası	Güç terminali bloğu için giriş.
4 Ses ve alarm kablosu girişi	Harici alarm cihazıyla/mikrofonla/hoparlörle bağlantı kurmak için bu girişe ses ve alarm kablosunu takın.
5 Micro SD Bellek Kartı Bölmesi	Micro SD bellek kartı için bölme.
6 MICRO USB bağlantı noktası	WiFi dongle'inin bağlanacağı bağlantı noktası. Akıllı telefondaki uygulamaları kullanarak yükleme videosuna göz atabilirsiniz. Sayfa 16'deki " WiFi dongle'ine bağlanma " bölümüne bakın. ■ WiFi dongle'i, ve OTG adaptörü ayrı satılır.
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 bağlanabilmek için IP adresi, Alt ağ maskesi, Ağ geçidi gibi temel ağ ayarlarını değiştirmek için IP Installer programını çalıştırmanız gerekir.

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.

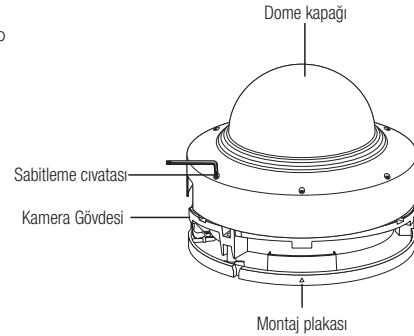
Kurulumdan Önce Alınması Gereken Önlemler

Kamerayı kurmadan önce aşağıdaki talimatları mutlaka okuyun:

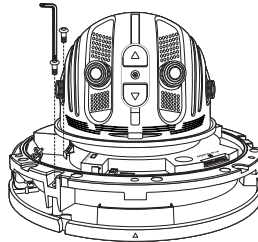
- Kamera ağırlığının en az 5 katını taşıyabilecek bir kurulum yeri seçin.
- Sıkıştırılmış veya soyulmuş kablolar hasara neden olabilir veya yangın çıkarabilir.
- Güvenlik açısından, kurulum alanında kimsenin bulunmamasını sağlayın. Her ihtimale karşı özel eşyalarınızı kurulum alanından uzak tutun.
-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

Sökme

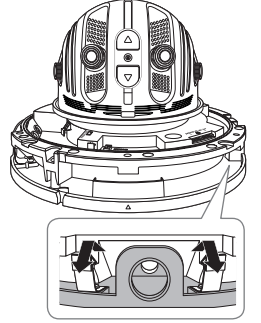
1. Sabitleme civatasını gevşeterek dom kapağını çıkarın. Bu işlem, verilen alyan anahtarı veya matkap ucu ile civata saat yönünün tersine çevrilerek yapılabilir.



2. Kamera gövdesindeki sabitleme vidasını gevşetin.

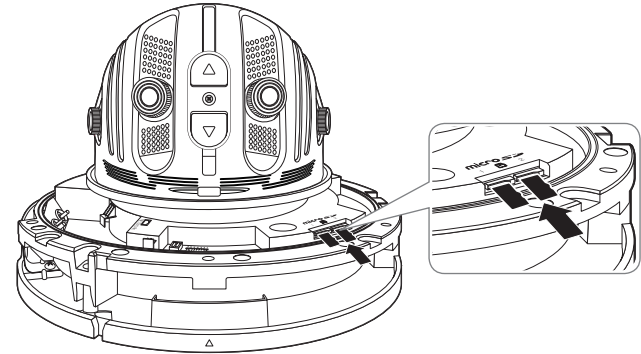


3. Kamera gövdesini ve montaj plakasını, şekilde gösterildiği gibi plaka yayını çekerek çıkarın.



Micro SD Bellek Kartının Takılması

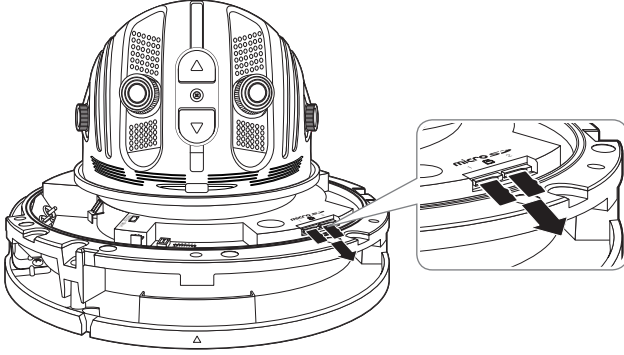
1. Kameranın dom kapağını çıkarın.
2. Micro SD kartı, şekilde gösterildiği gibi ok yönünde takın.



- Micro SD bellek kartını takmadan önce güç kablosunu kameradan çıkarın.
- Zorlayarak ters yönde takmaya çalışmayın. Bu, Micro SD bellek kartınıza ve ürününe 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.
- Micro SD bellek kartını takarken/sökerken, parçaların kaybolması veya düşmesi nedeniyle meydana gelebilecek kazaları önlemek için, üzerinde çalışmadan önce ürün gövdesini düz bir yere koyduğunuzdan emin olun.

Micro SD Bellek Kartının Çıkarılması

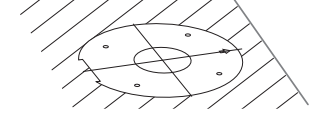
Hafıza kartını yuvasından çıkartmak için şemada gösterildiği gibi hafıza kartının açık tarafından yavaşça basın.



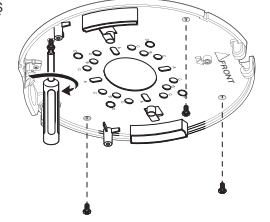
- Her kanal için bir SD kart ayırmalısınız.
- Micro SD bellek kartı çıkık haldeyken sertçe itip bırakırsanız dışarı fırlayabileceğini lütfen unutmayın.
- Micro SD bellek kartını çıkartmadan önce, <Depolama> alanında, cihazı <Kapalı> duruma getirin ve [Uygula] düğmesine basarak kamerayı kapatın.
- Fotoğraf makinesini kapatırsanız veya üründen veriler içeren Micro SD bellek kartını çıkarırsanız, veriler kaybolabilir veya hasar görebilir.

Tavana veya duvara montaj

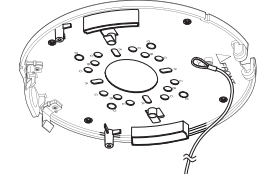
1. Ürünle birlikte verilen şablonu kullanarak montaj deliklerini (6 mm çapında ve minimum 55 mm derinlikte) delin ve ürünle birlikte verilen plastik tutturucu parçaları bu deliklere tamamen girecek şekilde yerleştirin.



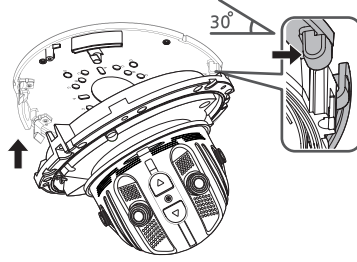
2. Montaj işlemi için, montaj plakasının deliklerini plastik ankrajlar takılmış deliklerle hizalayın ve kılavuz vidaları sıkın.



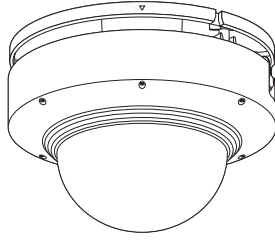
3. Güvenlik kablосunu bağlayın.



4. Kamera gövdesini montaj plakasına takın.
 - Gövdeyi, resimde gösterildiği gibi menteşelere oturacak şekilde takın.
5. Terminali kameranın içine gerekli kabloyla bağlayın.
6. Yaylı pimi içeriye doğru itin.
7. **"Kameranin izleme yönünün ayarlanması"** bölümüne bakarak merceği dilediğiniz yönde ayarlayın. (Sayfa 15)
 - Merceği eğerseniz ekran bloke olabileceğinden merceği yeniden ayarlamamız gerekebilir.



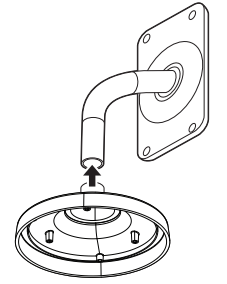
8. Dom kapağını monte edin.
 - Dom kapağını monte ederken okları aynı hizaya getirin.
 - Su yalıtımı konusunda herhangi bir sorun olmadığından emin olmak için, alıyan anahtarını veya matkap ucunu kullanarak sabitleme civatalarını sıkıca sıkıştırın.
 - Dom kapağının iç/dış kısmına takılmış koruma vinilini soyarak çıkarın.



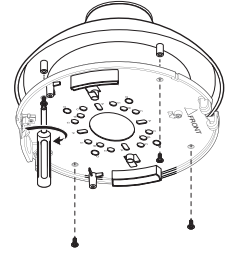
Bağımsız adaptöre bağlama

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

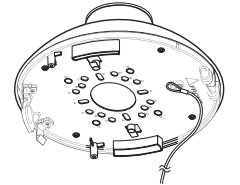
1. Asma parçasını duvara montaj adaptörüne takın.
 - Duvara montaj adaptörleri ve asma parçaları ayrı olarak satılmaktadır.



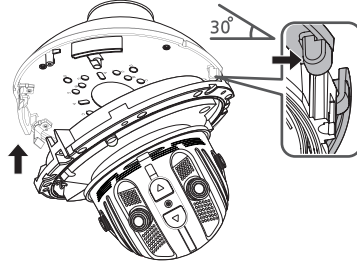
2. Montaj plakasını ve asma aparatını bağlayın.



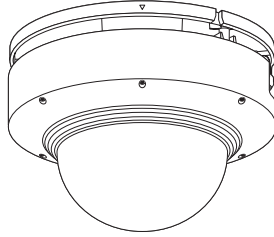
3. Güvenlik kablosunu bağlayın.



4. Kamera gövdesini montaj plakasına takın.
 - Gövdeyi, resimde gösterildiği gibi menteşelere oturacak şekilde takın.
5. Terminali kameranın içine gerekli kabloyla bağlayın.
6. Yaylı pimi içeriye doğru itin.
7. **"Kameranin izleme yönünün ayarlanması"** bölümüne bakarak merceği dilediğiniz yönde ayarlayın. (Sayfa 15)
 - Merceği eğerseniz ekran bloke olabileceğinden merceği yeniden ayarlamaz gerekebilir.



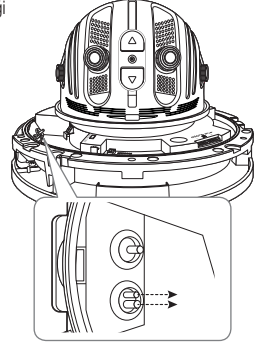
8. Dom kapağını monte edin.
 - Dom kapağını monte ederken okları aynı hizaya getirin.
 - Su yalıtımı konusunda herhangi bir sorun olmadığından emin olmak için, alyan anahtarını veya matkap ucunu kullanarak sabitleme cıvatalarını sıkıca sıkıştırın.
 - Dom kapağının iç/dış kısmına takılmış koruma vinilini soyarak çıkarın.



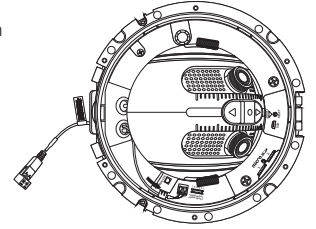
1. Yöntem. Su geçirmez güç kablosu ve LAN kablosunun bağlanması

1. Dome kapağını ve muhafazayı sökün.
2. Tabandaki sünger tapanın uzun çıkıntılı kısmını çekin ve şekilde gösterildiği gibi çıkarın.

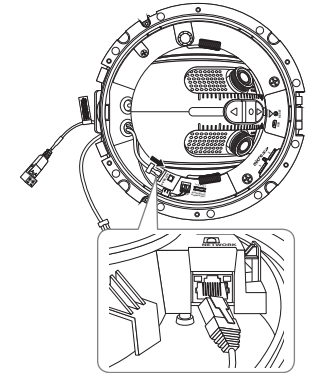
- ! ■ Bağlanacak LAN kablosu için uygun bir kablo burcu kullanın.
- Temel kamera: Ø5~6.5 çapında kablo kullanın.
 - Verilen bileşenler: Ø7~8.5 çapında kablo kullanın.



3. Yukarıda adım ikide plastik tapanın çıkıntılı kısmını çıkararak oluşturulan küçük deliğe güç kablosunu yerleştirin ve kabloyu uzun oluk boyunca yerleştirin.
4. Elektrik kablosunu elektrik terminal blokuna bağlayın.

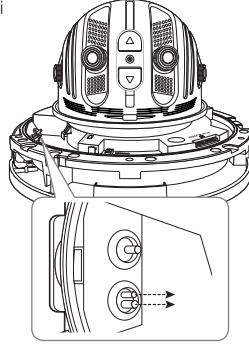


5. Yukarıda adım ikide plastik tapanın çıkıntılı kısmını çıkararak oluşturulan büyük deliğe LAN kablosunu yerleştirin.
6. Kablo kesicisiyle kılıfı sökün ve kabloları hizalayın.
7. LAN kablosunu bir LAN konektörüne bağlayın ve LAN aracına takın.
8. Tamamlanan kabloyu Ethernet girişine bağlayın.

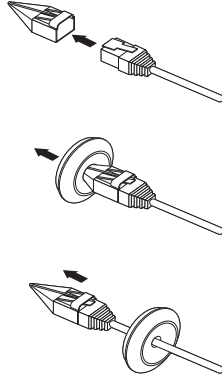


2. Yöntem. Su geçirmez güç kablosu ve LAN kablosunun bağlanması

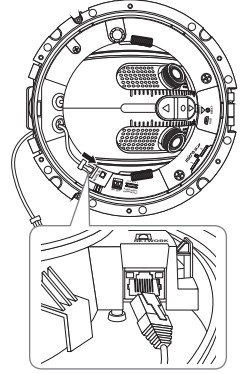
1. Dome kapağını ve muhafazayı sökün.
2. Tabandaki sünger tapanın uzun çıkıntılı kısmını çekin ve şekilde gösterildiği gibi çıkarın.
3. Deliğin üzerindeki kauçuk kapağı çekip çıkarın.



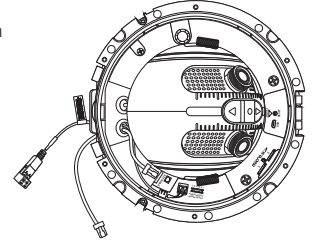
4. RJ45 kablosunun geçmesi için Kapak Kurulum Aparatını kullanın.



5. Lastik tapayı yeniden takın ve LAN kablosunu Ethernet terminaline bağlayın.

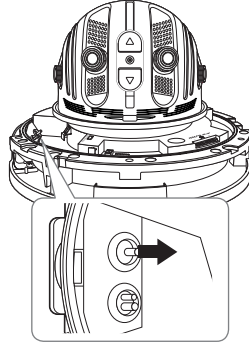


6. Yukarıda adım ikide plastik tapanın çıkıntılı kısmını çıkararak oluşturulan küçük deliğe güç kablosunu yerleştirin ve kabloyu uzun oluk boyunca yerleştirin.
7. Elektrik kablosunu elektrik terminal blokuna bağlayın.

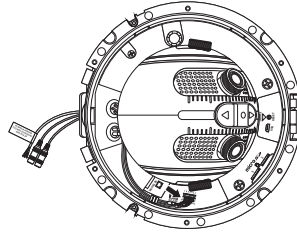


Ses/alarm kablusunun takılması

1. Dome kapağını ve muhafazayı sökün.
2. Plastik tapayı resimde gösterildiği gibi çekin.



3. İkinci adımdaki kauçuk tıpayı çıkartarak oluşan deliğe ses/alarm kablusunu takın ve kabloyu PCB alarm terminaline bağlayın.
4. Kabloyu kamera monte edilirken hasar görmeyecek veya kanışmayacak şekilde hizalayın.
5. Ses/alarm kablusunun kauçuk tıpasını deliğe takın.
6. Merceği "**Kameranın izleme yönünün ayarlanması**" bölümüne bakarak istediğiniz yönde ayarlayın. (sayfa 15)
7. Dome kapağını takın.



İsteğe bağlı montaj adaptörünün kurulması

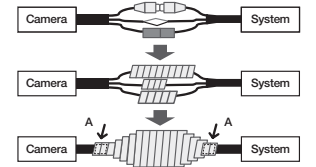
Aşağıdaki seçeneklerden (bağımsız) montaj alanına veya rahatınıza uygun, gerekli bir tanesini seçip satın alın.

1. Dome kapağını "**Sökme**" bölümünde belirtildiği şekilde muhafazadan çıkarın. (sayfa 9)
2. Kamera ile birlikte verilen makine vidaları ile kamera muhafazasını isteğe bağlı montaj adaptörüne sabitleyin.
3. Gerekli kabloları bağlayın ve kamera montajı sırasında zarar görmemeleri veya sıkışmamları için gerekli şekilde düzenleyin.
4. Kamera gövdesini "**Sökme**" sondan başa izleyerek monte edin.
5. Merceği "**Kameranın izleme yönünün ayarlanması**" bölümüne bakarak istediğiniz yönde ayarlayın. (sayfa 15)
6. Dome kapağını kapatın.
 - Su yalıtımı konusunda herhangi bir sorun olmadığından emin olmak için, alyan anahtarını veya matkap ucunu kullanarak sabitleme cıvatalarını sıkıca sıkıştırın.

Dış mekan montajı

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

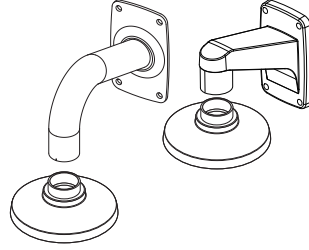
1. Güç, G/Ç ve LAN kablolarını bağlayın.
2. Siyah kablo kaplamasını (Alan A) ve kablo bağlantı alanını butil plastik bandın yarısından fazlası üst üste gelecek şekilde su geçirmez (butil plastik) bantla sarın.
 - Kablo kaplamasının su geçirmezliği düzgün sağlanmadığında bu durum doğrudan sızıntıya neden olabilir. Kabloyu yoğun bir bant katmanıyla koruduğunuzdan emin olun.
 - Su geçirmez butil bant, normal uzunluğunun iki katına kadar esnetilebilen butil plastikten yapılmıştır.



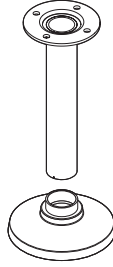
Kurulum için İsteğe Bağlı Aksesuarlar

Kurulumu daha kolay gerçekleştirmek için, mevcut olan isteğe bağlı uygun aksesuarları satın alabilirsiniz.

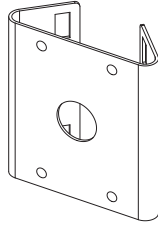
1. DUVARA MONTAJ ADAPTÖRÜ (SBP-300WM veya SBP-300WM1) / ASMA TİPİ MONTAJ PARÇASI (SBP-276HM)
Bu, dom kamerayı duvara kurmak için kullanılan bir montaj adaptörüdür.



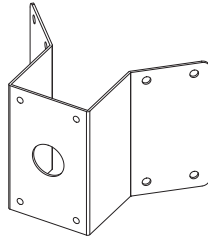
2. TAVANA MONTAJ ADAPTÖRÜ (SBP-300CM) / ASMA TİPİ MONTAJ PARÇASI (SBP-276HM)
Bu, dom kamerayı beton tavana kurmak için kullanılan bir montaj adaptörüdür.



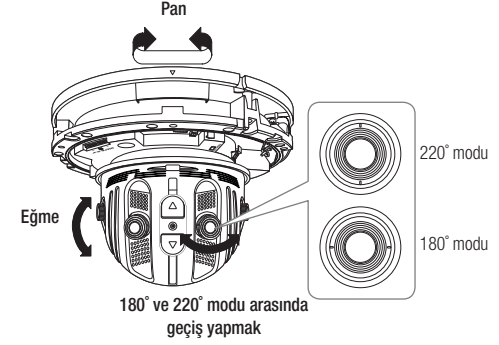
3. DİREĞE MONTAJ ADAPTÖRÜ (SBP-300PM)
Bu, duvar montaj adaptörünü (SBP-300WM veya SBP-300WM1) 80 mm veya daha fazla bir çapı olan sütuna kurmak için kullanılan bir montaj adaptörüdür.



4. KÖŞEYE MONTAJ ADAPTÖRÜ (SBP-300KM)
Bu, duvar montaj adaptörünü (SBP-300WM veya SBP-300WM1) duvarın köşesine kurmak için kullanılan bir montaj adaptörüdür.



Kameranın izleme yönünün ayarlanması



İzleme yönünün ayarlanması

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

- Etkili pan aralığı toplam 355 derecedir.
- Etkili eğim aralığı toplam 60 derecedir.

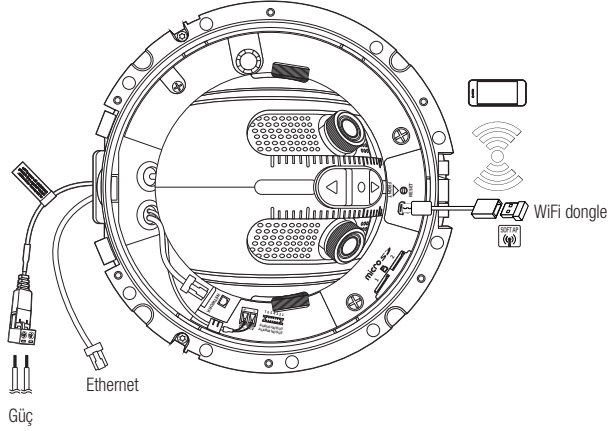


■ Açıya bağlı olarak, görüntü kamera kasası tarafından kapatılabilir.

Ayarlama yöntemleri

1. Kamerayı monitörün istikametine göre monte ettikten sonra, Kaydırma açısını ayarlayın.
2. Eğim açısını, kamera izlenen nesneye dönecek şekilde ayarlayın.
3. 180° modu/220° modu arasında geçiş yapmak için lensi çevirin.

DİĞER CİHAZLARLA BAĞLANTI



- ! ■ Kolay kurulum için üründe Micro USB çıkış terminali bulunur ve izleme amacı için önerilmez.

Ethernet Bağlantısı

Ethernet kablosunu yerel ağa veya İnternete bağlayın.

WiFi Bağlantısı

Kamera Ayarı

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

Akıllı Telefon Kurulumu

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

Önerilen dongle üreticisi

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

Güç Kaynağı

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

- ! ■ PoE+ ve DC12V eş zamanlı olarak uygulanıyorsa, ürün DC12V'den güç alır.
- Video kamera güç beslemesi sağlamak için PoE+ özelliğine sahip bir yönlendirici de kullanabilirsiniz.
 - IEEE802.3at protokolü ile uyumlu bir PoE+ kullanın.
 - PoE+ ve DC 12V değerlerine sahip tek bir güç kaynağı kullanılması önerilir.
 - Güç kablusunu bağlarken kutupları ters çevirmemeye dikkat edin.
 - Harici bir cihaz bağlamak isterseniz, devam etmeden önce harici cihazı kapamanız gerekir.

Güç kablusu Teknik Özellikleri

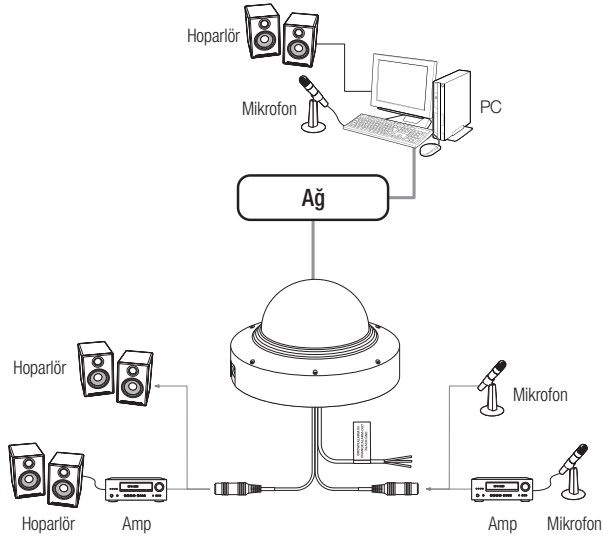
DC 12V Girişi söz konusu olduğunda:

Kablo Tipi (AWG)	#22	#20	#18
Kablo Uzunluğu (Maks.)	24 m	38 m	60 m

Ağ Kablusu Özellikleri

Öge	İçindekiler	İşaret
Konektör	RJ45 (10/100/1000BASE-T)	
Ethernet	10/100/1000BASE-T	1000BASE-T kullanmak için, Giga hub için, bir UTP-6 veya daha üst model bir kablo kullanılmalıdır.
Kablo	UTP Kategori 6	
Maks Mesafe	100M	DC direnci ≤ 0.188 Ω/m
PoE+ Desteği	IEEE 802.3at	

Ses Giriş/Çıkışa Bağlamak



1. Kameranın AUDIO IN bağlantı noktasını mikrofona veya mikrofona 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 Kodu

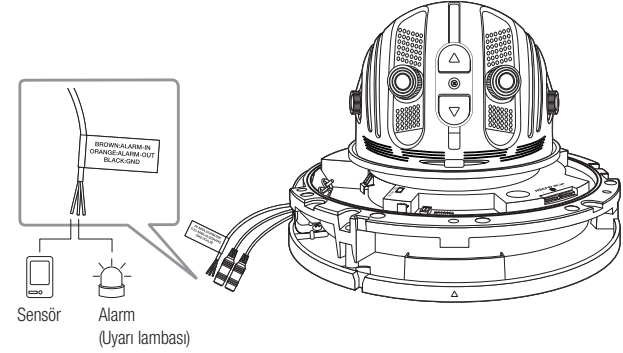
- Ses Girişi : G.711 PCM (Bit Hızı: 64kbps / Örneklem Frekansı: 8 kHz), G.726 ADPCM (Bit Hızı: 16 Kbps, 24 Kbps, 32 Kbps, 40 Kbps / Örneklem Frekansı: 8 kHz), AAC (Bit Hızı: 48kbps / Örneklem Frekansı: 16 kHz)

• 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 bağlamak için kullanılır.
- ALARM-OUT : Alarm çıkış sinyalini bağlamak için kullanılır.
- GND : Alarm giriş/çıkış sinyali için ortak bağlantı noktası.

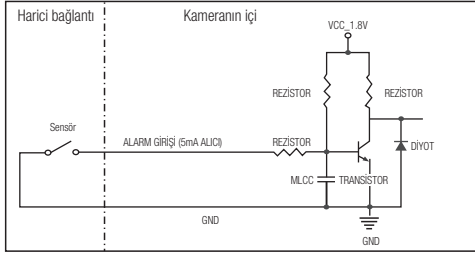


- Gerilim ve akım özelliklerini aşan cihazlar (örn. Yanıp sönen ışık ve siren) açık kolektör yöntemi kullanılarak bağlanırsa, arızaya neden olabilir.
Voltaj ve akım özelliklerini aşan cihazları bağlarken "Alarm Çıkışı Kablo Şeması" bölümüne bakın. (sayfa 18)

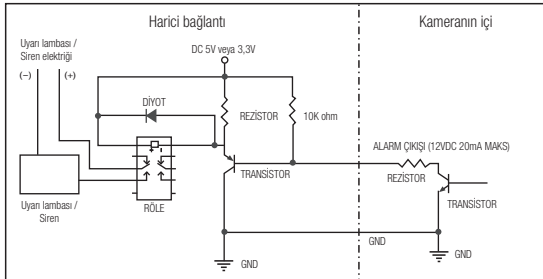
Harici sensörü bağlamak için

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

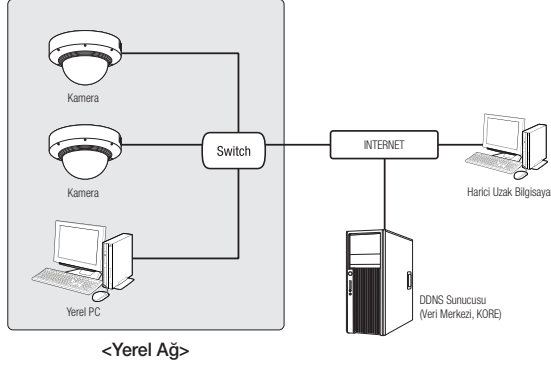


Ağ ayarlarınızı ağ yapılandırmanıza göre ayarlayabilirsiniz.

KAMERAYI DOĞRUDAN YEREL ALAN AĞINA BAĞLAMAK

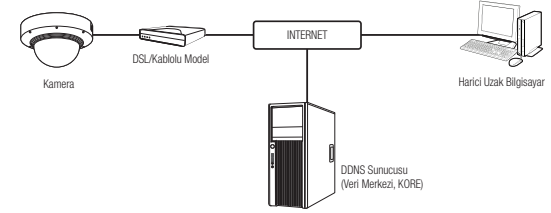
Kameraya Lan Üzerinde Yerel Bir Pc'den Bağlanmak

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 installer'da IP Adresini, Alt Ağ Maskesini, Ağ Geçidini, HTTP Portunu, VNP Portunu ve IP türünü ayarlamak için başlangıç şifresi 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. İp Adresini Değiştirmek İçin İp Installer'ı Kullanın. İp Installer'ın Kullanılması Hakkında Daha Fazla Bilgi İçin "Statik İp Ayarı" Bölümüne Bakın. (Sayfa 20)

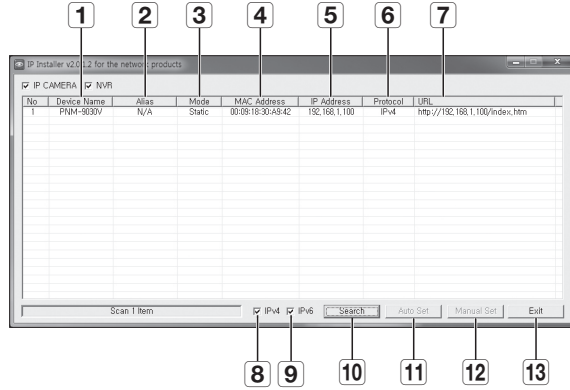
KAMERANIN DOĞRUDAN BİR DHCP TABANLI DSL/KABLOLU MODEME BAĞLANMASI



1. Kullanıcı bilgisayarı doğrudan ağ kamerasıyla bağlayın.
2. IP Installer uygulamasını çalıştırın ve kameranın IP adresini masaüstünüzdeki web tarayıcısını kullanarak İnternet'e bağlanabilecek şekilde 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.

IP INSTALLER'DA KULLANILAN DÜĞMELER



Madde	Açıklama
1 Device Name	Bağlı kameranın model adı. Listeyi model adına göre sıralamak için sütunu tıklatın. Ancak arama sırasında tıklarsanız arama duracaktır.
2 Alias	Bu işlev henüz uygulanmamaktadır.
3 Mode	Mevcut ağ bağlantısı durumu için <Static> veya <Dynamic> modunu görüntüler.
4 MAC(Ethernet) Address	Bağlı kameranın Ethernet adresi. Listeyi Ethernet adresine göre sıralamak için sütunu tıklatın. Ancak arama sırasında tıklarsanız arama duracaktır.
5 IP Address	IP adresi. Listeyi IP adresine göre sıralamak için sütunu tıklatın. Ancak arama sırasında tıklarsanız arama duracaktır.
6 Protocol	Kamera için ağ ayarı. Fabrika varsayılan ayarı "IPv4"tır. IPv6 ayarı bulunan kameralar "IPv6" olarak görüntülenir.
7 URL	Harici İnternette erişimi sağlayan DDNS URL adresi. Ancak DDNS kaydının başarısız olması durumunda, bu adres yerine kamera <IP Address> kullanılır.
8 IPv4	IPv4 ayarı bulunan kameraları tarar.

Madde	Açıklama
9 IPv6	IPv6 ayarı bulunan kameraları tarar. Yalnızca IPv6 uyumlu bir ortamda etkinleştirilir.
10 Search	Ağa bağlı mevcut kameraları tarar. Ancak IPv4 veya IPv6'nın kontrol edilmediği durumlarda bu düğme aktif durumda olmaz.
11 Auto Set	IP Installer ağ ayarlarını otomatik olarak yapılandırır.
12 Manual Set	Ağ ayarlarını manuel olarak yapılandırmanız gerekir.
13 Exit	IP Installer programından çıkış yapılmasını sağlar.

- IP installer için yalnızca kurulum CD'sinde verilen installer sürümünü veya mevcutsa en son sürümü kullanın. En son sürümü Hanwha Vision'un web sitesinden indirebilirsiniz.
- Device Manager programı, Hanwha Vision web sitesindeki <Support> – <Online Tool> menüsünden indirilebilir (<https://www.HanwhaVision.com>).

STATİK IP AYARI

Manuel Ağ Ayarı

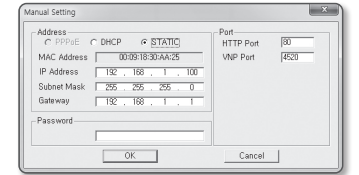
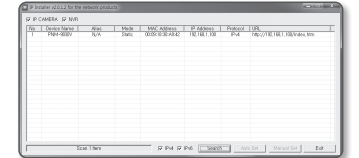
Kamera arama listesini görüntülemek için <IP Installer_v2.XX.exe>'yi çalıştırın.
İlk çalıştırmada, hem [Auto Set] hem de [Manual Set] gri renkli ve devre dışı olur.

- Bulunan kameralardan IPv6 ayarı mevcut olanlar için, kameraların bu işlevi desteklememesinden dolayı bu düğmeler gri renkte ve devre dışı konumda olur.

- Arama listesinden bir kamera seçin.
Kamera etiketinden kameranın MAC adresini kontrol edin.
Hem [Auto Set] hem de [Manual Set] düğmeleri etkinleşir.
- [Manual Set] düğmesini tıklatın.
Manual Setting iletişim kutusu açılır.
Kameranın <IP Address>, <Subnet Mask>, <Gateway>, <HTTP Port> ve <VNP Port> özellikleri, ön ayarlı değerlerinde görüntülenir.
- <Address> alanına gerekli bilgileri girin.

- MAC (Ethernet) Address : Kamera etiketinde basılı olan MAC adresi otomatik olarak görüntülenir ve bunun için kullanıcı ayarı gerekmez.

- IP ile ilgili parametreler yalnızca DHCP işaretli değilse ayarlanabilir.



Bir Geniş Bant yönlendirici kullanılmıyorsa

<IP Address>, <Subnet Mask> ve <Gateway> ayarlarını yapmak için ağ yöneticinizle görüşün.

4. <Port> alanına gerekli bilgileri girin.

- 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.

5. Parolayı girin.

Kameraya erişim için kullanılan "admin" hesabı şifresini girin.

- Güvenlik nedeniyle, şifre için sayı, küçük ve büyük harf ve özel karakter kombinasyonu kullanmanız önerilir.
- Parolanızı değiştirme hakkında bilgi için, Web Viewer'ın çevrimiçi yardım bölümüne bakın.

6. [OK] düğmesini tıklayın.

Manuel ağ ayarları tamamlanır.

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

- <HTTP Port> 80 dışında bir değere ayarlanmıyorsa, 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

Otomatik Ağ Ayarı

Kamera arama listesini görüntülemek için <IP Installer_v2.XX.exe>'yi çalıştırın. İlk çalıştırmada, hem [Auto Set] hem de [Manual Set] gri renkli ve devre dışı olur.

- Bulunan kameralardan IPv6 ayarı mevcut olanlar için, kameraların bu işlevi desteklememesinden dolayı bu düğmeler gri renkte ve devre dışı konumda olur.

1. Arama listesinden bir kamera seçin.

Kamera etiketinden kameranın MAC adresini kontrol edin. Hem [Auto Set] hem de [Manual Set] düğmeleri etkinleşir.

2. [Auto Set] düğmesini tıklayın.

Auto Setting iletişim kutusu açılır.

<IP Address>, <Subnet Mask> ve <Gateway> otomatik olarak ayarlanır.

3. Parolayı girin.

Kameraya erişim için kullanılan "admin" hesabı şifresini girin.

- Güvenlik nedeniyle, şifre için sayı, küçük ve büyük harf ve özel karakter kombinasyonu kullanmanız önerilir.
- Parolanızı değiştirme hakkında bilgi için, Web Viewer'ın çevrimiçi yardım bölümüne bakın.

4. [OK] düğmesini tıklayın.

Otomatik ağ ayarı tamamlanır.

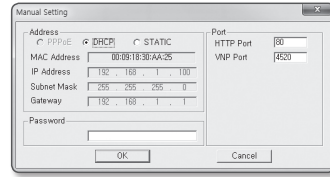
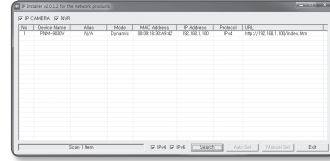
DINAMİK IP AYARI

Dinamik IP Ortamı Ayarı

- 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

Dinamik IP'nin kontrol edilmesi

- Kullanıcının yerel bilgisayarında IP Installer'ı çalıştırın.
<Dynamic IP> adresi tahsis edilen kameralar listede gösterilir.
- Arama sonucundan bir kamera seçin.
- [Manual Set] düğmesine tıklayın ve kameranın <Dynamic IP> adresini kontrol edin.
<DHCP> öğesinin işaretini kaldırırsanız, IP'yi <Static> olarak değiştirebilirsiniz.

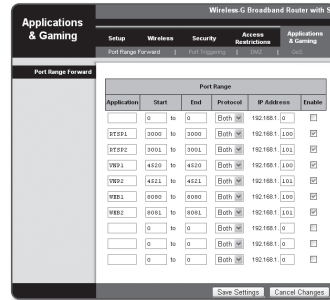


BAĞLANTI NOKTASI ARALIĞI AKTARIM (BAĞLANTI NOKTASI EŞLEME) AYARI

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

Manuel Bağlantı Noktası Aralığı Aktarımı

- 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.
- 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.



- İşlem tamamlandığında [Save Settings] düğmesini tıklayın.
Ayarlarınız kaydedilir.

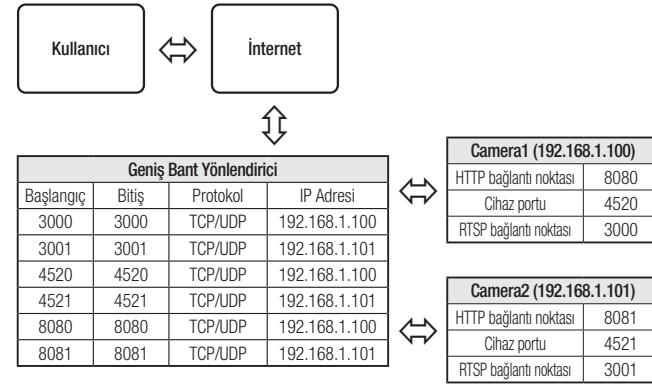


- Yukardaki örnek talimatlar CISCO'nun Geniş Bant Yönlendiricisini temel alır.
- Ayarlar, bağlı Geniş Bant yönlendiricisinin modeline göre farklılık gösterebilir.
Daha ayrıntılı bilgi için, geçerli yönlendiricinin kullanım kılavuzuna bakın.

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 :

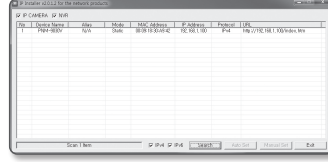


- Yönlendiricinin UPnP (Evrensel Tak ve Çalıştır) özelliğini desteklemesi halinde, port yönlendirme ek yönlendirici kurulumu olmadan yapılabilir.
Ağ kablosunu bağladıktan sonra, "Ayarlar -> Ağ -> DDNS" içinde <DDNS> altında <Hızlı Bağlantı> menüsündeki onay kutusunu işaretleyin.

KAMERAYA PAYLAŞILAN BİR YEREL BILGISAYARDAN BAĞLANMA

1. IP Installer'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

Geniş Bant Yönlendiricinin ağ grubunda olmayan uzak bir bilgisayarda IP Installer'ın kullanılmasına izin verilmediği için kullanıcılar kameranın DDNS URL'sini kullanarak Geniş Bant Yönlendiricinin ağındaki kameralara erişebilir.

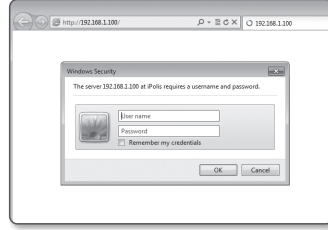
1. Geniş Bant yönlendirici ağındaki bir kameraya erişebilmek için, öncelikle Geniş Bant yönlendirici için bağlantı noktası aralığı aktarımını ayarlamış olmanız gerekir.
2. Uzak bilgisayardan İnternet tarayıcıyı başlatın ve kameranın DDNS URL adresini veya Geniş Bant yönlendiricinin IP adresini adres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

- DDNS kaydı hakkında bilgi almak için ağ kurulumu kılavuzuna bakın.

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.

“Şifre değiştirme” penceresi görüntülediğinde, yeni şifreyi girin.



- 8 ile 9 haneli yeni bir şifrede, şunlardan en az üçünü kullanmanız gerekir: büyük/küçük harfler, sayılar ve özel karakterler. 10 ile 15 haneli bir şifrede, yukarıda belirtilen türlerden en az ikisini kullanmanız gerekir.
 - İzin verilen özel karakterler: ~!@#\$%^&*()_-=+[]{}?/
- Daha üst seviyede güvenlik için şifrelerinizde aynı karakterlerin veya ardışık klavye girişlerinin tekrarlanmaması önerilir.
- Şifrenizi kaybettiyse, 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 alphabetic, 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 alphabetic, 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, abcd)
. Don't use 4 or more characters repeated (examples: 111, 1111, aaa)

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.



- 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.

Windows Security

The server 192.168.1.100 at iPolis requires a username and password.

User name

Password

☐ Remember my credentials

OK Cancel

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 işlevin detaylı tanımına bakmak için <Yardım (?)> düğmesine tıklayın.

TEKNİK ÖZELLİKLER

Parçalar		Açıklama
Video	Görüntüleme Cihazı	1/2,8" 5M CMOS x 4KANAL
	Toplam Piksel Sayısı	2.704(H) x 2.104(V) 5,69M x 4KANAL
	Etkin Piksel	2.616(H) x 1.964(V) 5M x 4KANAL
	Tarama Sistemi	Aşamalı Tarama
	Min. Aydınlatma	Renkli: 0,15 lüks (F2.0, 1/30 san, 30IRE) S-B: 0,01 lüks (F2.0, 1/30 san, 30IRE)
	Video Çıkışı	USB: Mikro USB Tip B, kurulum için 1280 x 720
Mercek	Odak Uzunluğu (Zoom Oranı)	4 mm
	Maks. Diyafram Açıklığı Oranı	F2.0
	Açısal Görüş Alanı	[180° modu] H: 180°, V: 70°, [220° modu] H: 220°, V: 52°
	Min. Nesne Mesafesi	3 m (9,84 ft): Minimum önerilen mesafe
	Mercek Tipi	Sabit odak
	Montaj Tipi	Kart takmalı tip (M12)
Kaydırma / Eğme / Döndürme	Kaydırma Aralığı	355°
	Eğme Aralığı	60°
	Döndürme Aralığı	-
Çalışma	Kamera Başlığı	Kapalı / Açık (En fazla 75 karakter görüntülenir) - W/W : İngilizce/Nümerik/Özel Karakterler - Genel: Çok satırlı (Maks 5), Renk (Gri/Yeşil/Kırmızı/Mavi/Siyah/Beyaz), Şeffaflık, Çözünürlüğe göre Otomatik Ölçek
	Gündüz ve Gec	Otomatik (ICR) / Renkli / S/B / Takvim
	Arka Işık Telafisi	Kapalı / BLC / WDR
	Geniş Dinamik Aralık	120dB
	Kontrast iyileştirme	SSDR (Kapalı / Açık)
	Dijital Parazit Azaltma	SSNRIII (2D+3D Gürültü Filtresi) (Kapalı / Açık)

Parçalar	Açıklama
LDC	Destek
Bulanıklık giderme	Otomatik/Manuel/Kapalı
Hareket Algılama	Kapalı / Açık (8ea, 8-nokta Poligon alanlar), Devretme
Mahremiyet Maskesi	Kapalı / Açık (16ea, dikdörtgen alanlar) - Renk: gri, yeşil, kırmızı, mavi, siyah, beyaz - Mozaik
Kazanç Kontrolü	Kapalı / Düşük / Orta / Yüksek
Beyaz Ayarı	ATW / AWC / Manuel / İç Mekan / Dış Mekan
Kontrast	Düzey ayarlama
Elektronik Obtüratör Hızı	Minimum / Maksimum / Kırışma Önleyici (2 ~ 1/12.000 san)
Ters Çevirme / Ayna	Ters Çevirme : Açık/Kapalı Ayna : Açık/Kapalı
Dijital PTZ	Destek
Akıllı Video Analizi	Kurcalama, Gezinme, Yön algılama, Sanal hat, Giriş/Çıkış, Görünme (Kaybolma), Hareket algılama, Ses algılama, Ses sınıflandırması, Isı haritası
Alarm I/O	Giriş 1ea / Çıkış 1ea
Ses Girişi	Hat Girişi Besleme gerilimi: 2,5 V DC (4mA), Giriş empedansı : yaklaşık 2K Ohm
Ses çıkışı	Çıkış hattı (3,5 mm stereo mini jak)
Alarm Tetikleyiciler	Alarm Girişi, Hareket Algılama, Video ve Ses analizi, Ağ bağlantısı kesme
Alarm olayları	- FTP, E-posta yoluyla dosya yükleme - E-posta ile bilgilendirme - Yerel depolama (SD/SDHC/SDXC) veya NAS kaydı (Alarm Tetikleyicileri) - Harici çıkış
Piksel Sayımı	Destek

Parçalar	Açıklama
Ethernet	RJ-45 (10/100/1000 BASE-T)
Video Sıkıştırma Biçimi	H.265 (HEVC): Ana H.264 (MPEG-4 Kısım 10/AVC): Ana/Temel/Yüksek MJPEG
Çözünürlük	[180° modu] 6096x2540, 5760x2400, 5472x2280, 5184x2160, 4800x2000, 4560x1900, 4096x1704, 3840x1600, 2688x1120, 2560x1064, 2048x852, 1920x800, 1280x532, 640x264 [220° modu] 7744x1936, 6096x1524, 5760x1440, 5472x1368, 5184x1296, 4800x1200, 4560x1140, 4096x1024, 3840x960, 2688x672, 2560x640, 2048x512, 1920x480, 1280x320, 640x160
Maks. Kare Hızı	H.265/H.264 : Tüm çözünürlüklerde maks 30 Maksimum 30 kare/sn MJPEG: 2 MP'de maks. 15 kare/saniye
Akıllı Kodek	Manuel mod (Alan Bazlı: 5 adet)
WiseStream II	Destek
Video Kalite Ayan	H.264/H.265 : Hedef Bit Hızı Seviye Kontrolü MJPEG : Hedef Bit Hızı Seviye Kontrolü
Bit Hızı Kontrol Yöntemi	H.264/H.265 : CBR veya VBR Motion JPEG : VBR
Akış Kapasitesi	Çoklu Akış (Her CH için en fazla 5 veya 3 Profil)
Ses Sıkıştırma Biçimi	G.711 µ-law /G.726 Seçilebilir G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC : 16KHz'de 48 Kbps
Ses İletişimi	Çift Yönlü (2 Yönlü)
IP	IPv4, IPv6
Protokol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, LLDP

Ağ

Parçalar	Açıklama
Guvenlik	HTTPS(SSL) Oturum Açma Kimlik Doğrulama Özet Oturum Açma Kimlik Doğrulama IP Adresi Filtreleme Kullanıcı Erişimi Günlüğü 802.1X kimlik doğrulama yöntemi (EAP-TLS, EAP-LEAP)
Akış Yöntemi	Unicast / Multicast
Maks. Kullanıcı Erişimi	Unicast Modunda 15 kullanıcı
Edge depolama	SD/SDHC/SDXC (256 GB'a kadar) - SD/SDHC/SDXC bellek kartı içine kaydedilen hareket görüntüleri indirilebilir. NAS (Ağa Bağlı Depolama) Anlık Kaydetme için yerel bilgisayar
Uygulama Programlama Arayüzü	ONVIF Profile S/G SUNAPI(HTTP API)
Web Sayfası Dili	İngilizce, Fransızca, Almanca, İspanyolca, İtalyanca, Çince, Korece, Rusça, Japonca, İsveççe, Portekizce, Çekçe, Lehçe, Türkçe, Felemenkçe, Macarca, Yunanca
Web Görüntüleyici	Desteklenen İşletim Sistemi : Windows 7 / 8.1 / 10, MAC OS X 10.10, 10.11, 10.12 Tarayıcı Destekli : Google Chrome 63, MS Edge 41, Mozilla Firefox 57 (sadece Windows 64bit), Apple Safari 11 (sadece Mac OS X)
Merkezi Yönetim Yazılımı	Smart viewer, SSM
Çalışma Sıcaklığı / Nem	-40°C ~ +55°C (-40°F ~ +131°F) / %90'ın altında bağıl nem * Başlatma -30°C'nin üzerinde yapılmalıdır
Saklama Sıcaklığı / Nem	-40°C ~ +60°C (-40°F ~ +140°F) / %90'ın altında bağıl nem
Giriş Koruması	IP66
Darbeler Dayanıklılık	IK10
Giriş Voltajı / Akım	PoE+(IEEE802.3at Class4), DC 12V
Güç Tüketimi	Maks 25.5W (PoE+), Maks 21.0W (DC 12V)
Renk / Malzeme	Fil Dışı/Alüminyum
Boyutlar (ØxH)	Ø253mm x H165mm (Ø9.96" x H6.5")
Ağırlık	3.2kg

Ağ

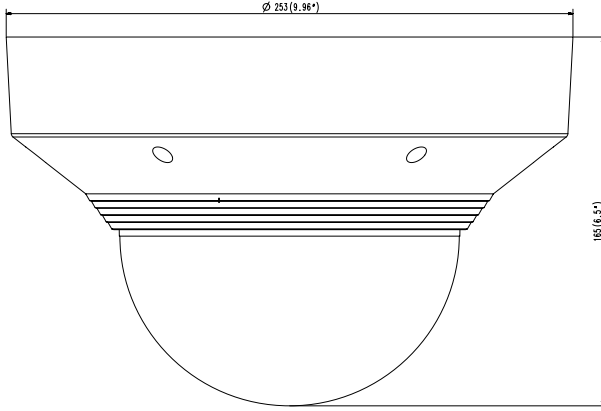
Çevresel

Elektrik

Mekanik

ÜRÜN GENEL BİLGİLERİ

Birim : mm (inç)



SORUN GİDERME

SORUN	ÇÖZÜM
Safari tarayıcıda eklentisiz web görüntüleyiciye HTTPS aracılığıyla erişildiğinde hiçbir video görüntülenmez.	• HTTPS'e ilk olarak erişildiğinde, görüntülenene 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 yapıldırıldığını kontrol edin.
İzleme sırasında İzleyici bağlantısı kopuyor.	• Bağlı İzleyicilerin bağlantısı, kamerada ya da ağ yapılandırmasında yapılan değişikliklerle kopar. • Bütün ağ bağlantılarını kontrol ediniz. • Eğer kamera bir PPPoE ağına bağlıysa, İzleyicinin bağlantısının kopması kötü ağ koşullarından kaynaklanıyor olabilir.
Ağa bağlanan kamera IP kurma programı tarafından belirlenmedi.	• 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
<Analiz> kısmında <Hareket algılama> seçeneği “Etkin” olarak ayarlandıktan sonra, kamerada bir video analiz olayı gerçekleşse de, E-posta yoluyla dosya gönderilmez.	- Ayarları şu sırayla doğrulayın: <Tarih ve Saat> ayarlarını kontrol edin. <Hareket algılama> ögesi <Etkinleştir> seçeneğine ayarlanmalıdır. <Olay Ayarı> menüsünün <E-posta> seçeneğinin kullanım için işaretlenip işaretlenmediğini kontrol edin.
Bir akıllı video analizi olayı üretildiğinde bile Alarm Çıkışı bağlantı noktasında sinyal bulunmaz.	Alarm çıkışı bağlantı noktası ayarlarını kontrol edin.
Micro SD bellek kartına kayıt yapılamıyor.	Bellek kartının hasarlı olup olduğunu kontrol edin.
Micro SD bellek kartı takılı ama kamera düzgün çalışmıyor.	- Bellek kartının doğru yönde takılıp takılmadığını kontrol edin. Başka cihazlarda biçimlendirilen bir bellek kartı bu kamera biriminde çalışmayabilir <Ayarları> → <Olay> → <Depolama> menüsünde bellek kartını tekrar biçimlendirin.
NAS'a kaydedilemiyor.	NAS'a kaydedilen bilginin doğru olduğunu doğrulayın.
NAS ayarının başarısız olduğu bildiriliyor.	- NAS IP adresinin geçerli olduğunu doğrulayın. - NAS kimlik/şifre 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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GPL SW

Component Name	License	URL
Base Kernel	GPL 2.0	
Busybox	GPL 2.0	http://www.busybox.net/downloads/snapshots
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	
zerocoinf	GPL 2.0	

LGPL SW

Component Name	License	URL
glibc	LGPL 2.0	
inetutils	LGPL 3.0	
neon-0.29.6	LGPL 2.0	http://www.webdav.org/neon/

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lighttpd is a secure, fast, compliant, and very flexible webserver that has been optimized for high-performance environments. It has a very low memory footprint compared to other webserver and takes care of opload. Its advanced feature-set (FastCGI, CGI, Auth, Output-Compression, URL-Rewriting and many more) make lighttpd the perfect webserver-software for every server that suffers load problems. Simple Network Management Protocol (SNMP) is an Internetstandard protocol for managing devices on IP networks. It is used mostly in network management systems to monitor the devices attached to the network for conditions that need administrative attention. Net-SNMP is a suite of applications used to implement SNMP v1, SNMP v2c and SNMP v3 using both IPv4 and IPv6. For more additional information, send email to help.cctv@hanwha.com.

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- Version 1.1

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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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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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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.



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