

AĞ KAMERASI

Kullanım Kılavuzu

XNV-6012/XNV-6012M/XNV-6013M
XNV-6022R/XNV-6022RM

Ağ Kamerası

Kullanım Kılavuzu

Telif hakkı

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Ticari marka

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

Kısıtlama

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

Sorumluluk Reddi

Hanwha Vision bu belgedeki içeriklerin bütünlüğünü ve doğruluğunu sağlamak için mümkün olan tüm çabayı göstermekle birlikte resmi bir garanti verilmemektedir. Bu belgenin kullanımı ve bundan kaynaklanan tüm sonuçların sorumluluğu tamamen kullanıcıya aittir.

Hanwha Vision bu belgenin içeriklerini önceden bildirim yapmadan değiştirme hakkını saklı tutar.

※ Tasarım ve spesifikasyonlar önceden bildirim yapılmadan değiştirilebilir.

※ İlk yönetici kimliği “admin”dir ve ilk kez oturum açıldığında şifrenin ayarlanması gerekir.

Lütfen kişisel bilgilerinizi güvenli şekilde korumak ve bilgilerin çalınmasını önlemek için her üç ayda bir şifrenizi değiştirin.

Lütfen güvenlik ve şifrenin yanlış yönetilmesinden kaynaklanan diğer sorunların kullanıcının sorumluluğunda olduğunu unutmayın.

ÖNEMLİ GÜVENLİK YÖNERGELERİ

1. Bu yönergeleri okuyun.
2. Bu yönergeleri saklayın.
3. Uyarıları dikkate alın.
4. Yönergeyi takip edin.
5. Bu cihazı suyun yakınında kullanmayın.
6. Ürün yüzeyinde kirlenen alanı, yumuşak kuru veya nemli bir bezle silin. (Ürünün şeklini bozabilecek veya hasar verebilecek, alkol, solventler veya surfaktanlar içeren deterjan veya kozmetik ürünler kullanmayın)
7. Havalandırma deliklerini kapatmayın. Üreticinin talimatlarına göre kurun.
8. Radyatör, ısı aygıtları gibi ısı kaynaklarının veya (amplifikatörler dahil) ısı üreten diğer cihazların yayına koymayın.
9. Güvenlik amaçlı polarize veya topraklamalı tip fişi bozmayın. Polarize fiş, biri diğerinden daha geniş iki ağa sahiptir. Topraklama tipi fiş iki ağa ve üç topraklama dişine sahiptir. Geniş ağız veya üçüncü diş güvenliğinizi için sağlanmıştır. Verilen fiş prizinize uymuyorsa tam uyan bir prizle değiştirmek için elektrikçiyle görüşün.
10. Özellikle fişlerde, priz yuvalarında ve üründen çıkan uçlarda sıkışan veya yürüyüş yolu üzerinde olan güç kablosunu koruyun.
11. Yalnızca üretici tarafından belirtilen ekleri/ aksesuarları kullanın.
12. Yalnızca üretici tarafından belirtilen veya cihazla birlikte satılan tekerlekli taşıma sehpası, kamera ayağı, üç ayaklı sehpa, dirsek veya masa kullanın. Tekerlekli taşıma sehpası kullanıldığında, devrilmeden kaynaklanabilecek yaralanmalardan kaçınmak için sehpa/cihaz kombinasyonunu dikkatli taşıyın.
13. Fırtına sırasında veya uzun süre kullanılmadan bırakıldığında bu cihazı prizden çıkartın.
14. Bütün servis işlemlerini yetkili servis personeline bildirin. Güç kaynağı kordonu veya fişin zarar görmesi, sıvının dökülmesi veya cihazın içine nesne düşmesi, cihazın yağmura veya neme maruz kalması, normal çalışmaması veya düşmesi gibi herhangi bir şekilde cihaz hasar gördüğünde servis gereklidir.
15. Ürünü kurarken aşırı güç kullanırsanız, kamera hasar görebilir ve arıza yapabilir. Uyumsuz aletler kullanarak ürünü zorla yüklerseniz, ürün hasar görebilir.
16. 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.
17. Ürünü kurarken, ürün yüzeyinin kimyasal madde ile lekelenmesine izin vermemeye dikkat edin. Temizleyici veya yapıştırıcı gibi bazı kimyasal solventler ürünün yüzeyine ciddi hasar verebilir.
18. Ürünü tavsiye edildiği şekilde kurmazsanız/kaldırmazsanız, üretim işlevleri/performans garanti edilemez. Kullanıcı kılavuzundaki "Kurulum ve Bağlantı" bölümüne bakarak ürünü kurun.
19. Ürünün su içinde kurulması veya kullanılması ürüne ciddi zararlar verebilir.



UYARI

YANGIN VEYA ELEKTRİK ŞOKU RISKİNİ AZALTMAK İÇİN, BU CİHAZI YAĞMUR VEYA NEME MARUZ BIRAKMAYIN. CİHAZDAKİ HAVALANDIRMA IZGARALARINA VEYA DİĞER DELİKLERE HİÇBİR METAL NESNE SOKMAYIN.

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

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

DİKKAT

	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

Arızalanması 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 yöneltilemez.

Lütfen aşağıdaki önerilen güvenlik önlemlerini dikkatle okuyun.

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

Kullanım Kılavuzu, ürünlerin nasıl kullanılabileceğini gösteren bir kılavuz kitaptır.

Kitaptaki kullanım sembolü şu anlamlara gelmektedir.

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

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

※ Ayrıntılı işletim sistemi ve tarayıcı sürümü bilgileri için eke bakın.

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 kameranın erişimini kabul edebilir.
- Bu kamera için, aşağıdaki üretici teknik özelliklerine sahip bir NAS kullanmanız önerilir.

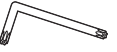
Önerilen ürünler	Mevcut boyutlar
QNAP NAS	Eşzamanlı olarak en fazla 16 kamera erişebilir.
Synology NAS	Eşzamanlı olarak en fazla 16 kamera erişebilir.



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

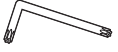
DAHİL OLANLAR (XNV-6012/6012M/6022R/6022RM)

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

Görünüm	Öge Adı	Adet	Açıklama	Model Adı
	Kamera	1		XNV-6012/ XNV-6012M/ XNV-6022R/ XNV-6022RM
	Hızlı Kullanma Kılavuzu (İsteğe bağlı)	1		Tüm modeller için kullanılır
	Garanti kartı (İsteğe bağlı)	1		
	Yıldız anahtar	1	Kubbe çerçevesini sökme/sabitlemek için kullanılır	
	M4 kılavuz vida	2	Kamerayı duvara veya tavana monte ederken kullanılır	
	Dübel	2	Vidaları sabitlemek için kullanılır, Deliklere takılır (sabitleme kuvvetini artırır)	
	Şablon	1	Kamera monte edilirken kullanılır	
	Montaj desteği	1	Kamerayı duvara veya bir bağlantı kutusuna (tekli) monte ederken kullanılır	
	Montaj desteği için M4 vida	2	Kamerayı montaj desteğine sabitlemek için kullanılır.	
	RJ45 su geçirmezlik aksesuarı	1	RJ45 konektör kablolarını su geçirmez hale getirmek için kullanılır	XNV-6012/ XNV-6022R

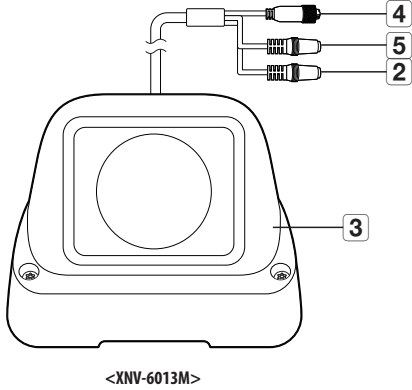
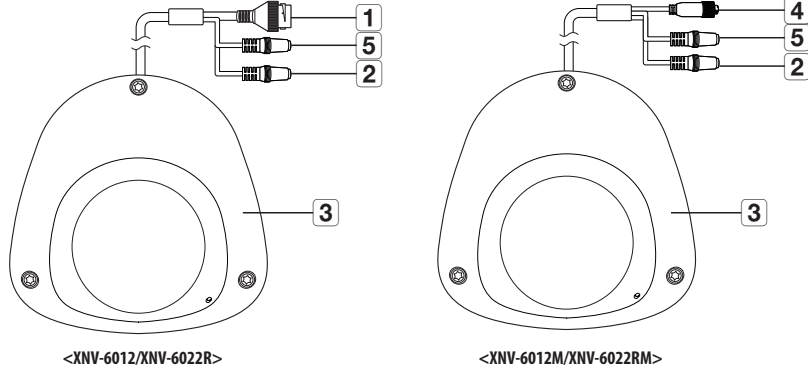
DAHİL OLANLAR (XNV-6013M)

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	
	Yıldız anahtar	1	Kubbe çerçevesini sökme/sabitlemek için kullanılır
	M4 kılavuz vida	4	Kamerayı duvara veya tavana monte ederken kullanılır
	Makine Vidaları	4	Kameranızı montaj askısına monte etmek için kullanılan vidalar, Alet Kutusu vb.
	O-halkası	4	M4 kılavuz vida ile kullanılır (Su geçirmez)
	Dübel	4	Vidaları sabitlemek için kullanılır, Deliklere takılır (sabitleme kuvvetini artırır)
	Şablon	1	Kamera monte edilirken kullanılır

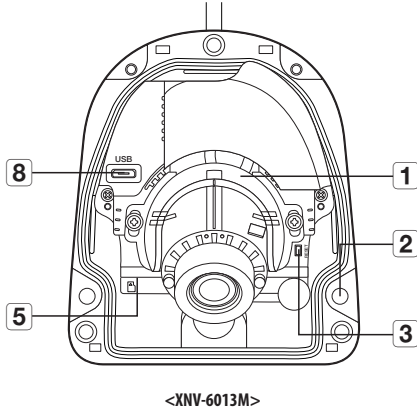
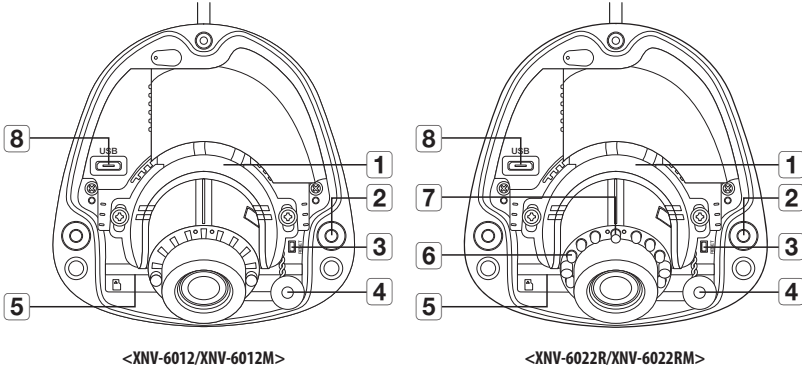
İLK BAKIŞ

Görünüm



Madde	Açıklama
1 PoE Konektörü	Ağa bağlanır ve Ethernet kablosu aracılığıyla güç sağlar.
2 Ses Girişi	Bir mikrofona bağlamak için kullanılır. (pembe)
3 Dome Kapak	Merceği ve ana üniteyi korumak için kullanılan muhafaza kapağı.
4 M12 Dişi konektör kablosu	Güç kaynağı ve ağ bağlantıları için M12 Erkek konektör kablosuna bağlayın.
5 Ses Çıkışı	Hoparlörlere bağlamak için kullanılır. (yeşil)

İç Kısım



Madde	Açıklama
1 Mercek Kapağı	Merceği korumak ve sabitlemek için kullanılır.
2 Sabitleme Deliği	Kameranın tavana sabitlenmesi için kullanılan delik.
3 Sıfırlama Düğmesi	Kamera ayarlarını varsayılan ayarlara geri döndürür. Sistem göstergesini 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.
4 Mikrofon deliği	Dahili bir mikrofon bulunmaktadır.
5 Micro SD Bellek Kartı Bölmesi	Micro SD bellek kartı için bölme.
6 IR LED'i	Bu kızılötesi LED'ler aydınlatma sensörü tarafından kontrol edilir.
7 Aydınlatma Sensörü	IR LED'i kontrol etmek için gelen ışığı algılar.
8 MICRO USB bağlantı noktası	Wi-Fi dongle'ının bağlanacağı bağlantı noktası. Akıllı telefondaki uygulamaları kullanarak yükleme videosuna göz atabilirsiniz. (kurulum için) Sayfa 15'deki "Wi-Fi dongle'ına bağlanma" bölümüne bakın. Wi-Fi dongle'ı, ve OTG adaptörü ayrı satılır.

KURULUM

Kurulumdan Önce Alınması Gereken Önlemler

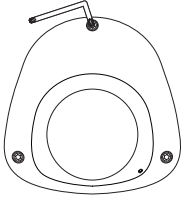
Kamerayı kurmadan önce aşağıdaki talimatları mutlaka okuyun:

- Tavana montaj için seçilen yerin kameranın ağırlığının en az 5 katını taşıyabilecek kapasitede olması gerekir.
- 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.
- Bu kamera, IP66 (XNV-6012M/6022RM) ve IP67 (XNV-6013M) standartlarına uygun su geçirmez bir üründür. Ancak M12 standart konektör ve kablo kullanılmazsa, jak parçası su geçirmezlik özelliğini yitirir. Bu ürünü kurarken bir M12 standart harici kablo kullanmanız önerilir.
- Kamerayı aracın dışına monte ederken düz bir yüzeye kurduğunuzdan emin olun. Kavisli bir yüzeye montaj yapılırsa kauçuk parça düzgün şekilde yapışmayabilir ve ürünün su geçirmezlik özelliği kaybolabilir.

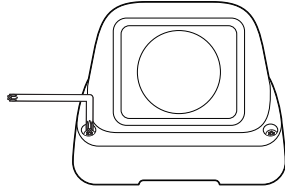
Sökme

Dom kapağını, ürünle birlikte verilen yıldız anahtar kullanarak vidaları gevşettikten sonra saat yönünün tersine döndürerek çıkarın.

- Vidanın tamamen gevşetilmesinin gerekmediğini unutmayın.



<XNV-6012/6012M/6022R/6022RM>



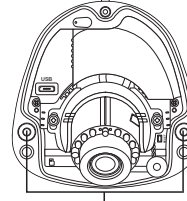
<XNV-6013M>

Nasıl kurulur?

1. İzlenecek yönü göz önünde bulundurun, şablonu takın ve şablona göre delikler açın.
2. Verilen kılavuz vidaları kullanarak kamerayı deliklere sabitleyin.

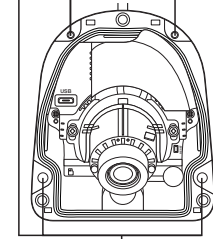


- Ürünü duvara monte ederken verilen montaj desteğini kullanın.



Sabitleme Deliği

<XNV-6012/6012M/6022R/6022RM>



Sabitleme Deliği

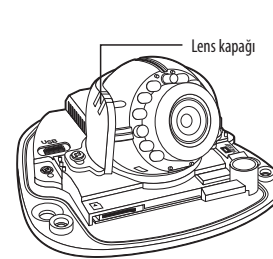
<XNV-6013M>

3. Gevşetmek üzere kamera lensi kapağının her iki tarafındaki vidaları saat yönünün tersine çevirin.



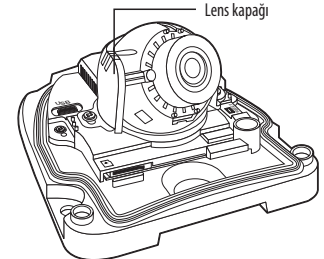
- Vidaları gevşetmeden lense (kapak) güç uygulamak, ürünün hasar görmesine neden olabilir.

4. Merceği "Kameranin izleme yönünün ayarlanması" bölümüne bakarak istediğiniz yönde ayarlayın. (sayfa 13)



Lens kapağı

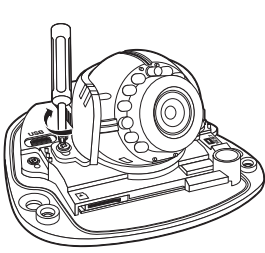
<XNV-6012/6012M/6022R/6022RM>



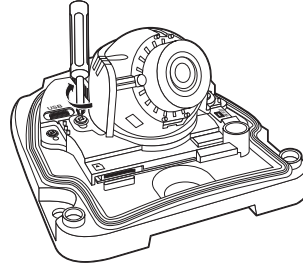
Lens kapağı

<XNV-6013M>

5. Açığı ayarladıktan sonra lensin açısını sabitlemek için vidaları saat yönünde döndürün.



<XNV-6012/6012M/6022R/6022RM>



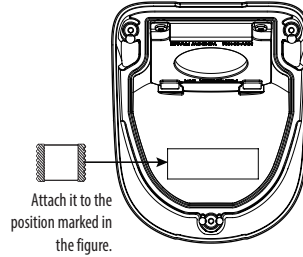
<XNV-6013M>

6. (Sadece XNV-6013M için) Ek nem emicileri tutturun (kart tipi).

Aksesuar olarak sunulan nem emici kapalı pakette gönderilir. Ürün kurulum sürecinde (kapağın ayrılması) sete giren su nedeniyle oluşabilecek nemin (çiy oluşumu) engellenmesi için kullanılabilir.

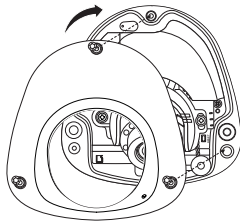
- 1) Aksesuar olarak sunulan nem emicinin paketini açın.
- 2) Nem emiciye tutturulan koruma bandını söktükten sonra şekilde gösterildiği gibi üst kapağın iç kısmına tutturun.
- 3) Nem emicinin tutturulduğu kapağı gövdeye monte edin.

- ! Nemli bir ortamda kurulum yapmayın. (Domda nem veya çiy oluşabilir.)
- Kapağı 10 dakikadan uzun süre açık bırakmayın.
- Aksesuar nem emicinin paketi açılmışsa
 - beş dakikadan uzun süre açıkta bırakmayın.
 - suya yakın tutmayın.
- [Kapağın Ayrılması → Nem Emicinin Tuturulması → Kapağın Kapatılması] süreci 10 dakika içinde tamamlanmalıdır.

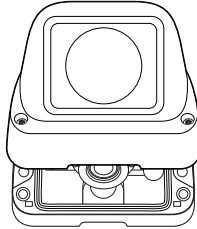


7. Kapağı sabitlemek için dom kapağını kapatın ve yıldız anahtarı kullanarak vidasını saat yönünde çevirin.

- ! Çerçeveyi sıkıca sabitlemezseniz su geçirmezlikle ilgili bir sorunla karşılaşabilirsiniz.



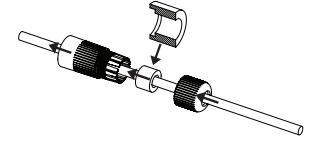
<XNV-6012/6012M/6022R/6022RM>



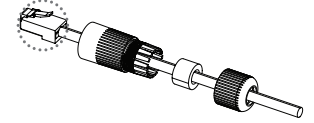
<XNV-6013M>

RJ45 su geçirmez kabloyu LAN kablosuna bağlama (XNV-6012/6022R)

1. Ok yönünde yerleştirin.

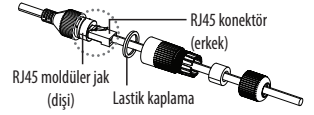


2. LAN konektörünü (erkek) kabloya bağlayın.

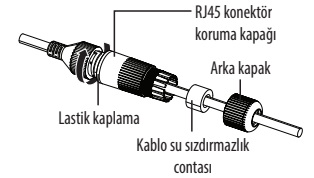


3. RJ45 modüler jakı (dişi) RJ45 konektöre (erkek) bağlayın.

- ! Lütfen parçaları birbirinden ayrı tutun.



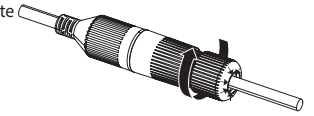
4. RJ45 modüler jakı (dişi) ve RJ45 koruma kapağını saat yönünde döndürerek monte edin (Oku izleyin).



5. RJ45 koruma kapağını ve arka kapağı saat yönünde döndürerek monte edin (Oku izleyin).

Arka kapak monte edildiğinde, kablo su sızdırmazlık contası su sızdırmazlık özelliği sağlamak üzere kabloya sıkıca takılır.

- ! Arka kapağı RJ45 konektörün vida dişlerinin sonuna kadar döndürmek için tamamen monte etmeniz gerekir.

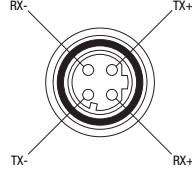


Konektör kablusunun bağlanması (XNV-6012M/6013M/6022RM)

M12 erkek konektörü kameranın M12 Dişi konektör deliğine bağlayın.

- Bu kamera Dişi, D kodlu tipleri kullanmaktadır.
- PoE (Ethernet üzerinden Güç) desteği vardır.
- Yalıtımlı ağ konektörü kullanmanız önerilir.

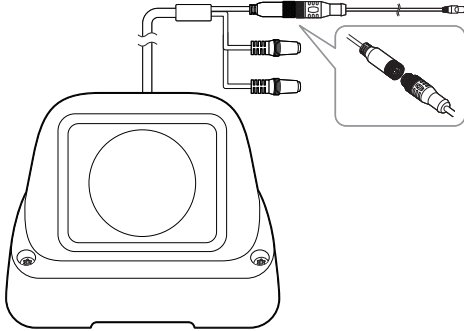
- Bu kamerayı yalıtımlı bir ağ kablusuna (STP) bağlayın.
- Lütfen, M12 özelliklerine uygun 4 kutuplu, Erkek, D-kodlu harici kablolar kullanın.
- PoE cihazının topraklama bağlantısının düzgün olup olmadığını kontrol edin.



M12-RJ45 dönüştürme kablusunu kullanarak bağlantı yapma (XNV-6012M/6013M/6022RM)

Dönüştürme kablusu için M12 erkek konektörü kameranızın M12 Dişi konektör yuvasına bağlayın.

- M-12-RJ45 kablusu ayrıca satılır.



Çalıştırma ve ağ bağlantısı (XNV-6012/6022R)

PoE ekipmanına bir kamera bağlayın.

- PoE (Ethernet üzerinden Güç) özelliği etkin olan bir yönlendiricinin PoE konektörüne bağlayın.
- IEEE802.3af protokolü ile uyumlu bir PoE (Ethernet üzerinden Güç) kullanın.

Çalıştırma ve ağ bağlantısı (XNV-6012M/6013M/6022RM)

Bir kamerayı bir PoE donanımına bağlayın veya kameranızın dönüştürme kablusu için M12-RJ45 konektörü bir PoE donanımına bağlayın.

- Bağlantı yöntemi kullanıcının kurulum ortamına bağlı olarak değişiklik gösterebilir.
- PoE (Ethernet üzerinden Güç) özelliği etkin olan bir yönlendiricinin PoE konektörüne bağlayın.
- IEEE802.3af protokolü ile uyumlu bir PoE (Ethernet üzerinden Güç) kullanın. Yalnızca veri pim çifti 1, 2, 3, 6 ile güç beslemesi yapan A tipi bir PoE cihazı kullanın.
- M12-RJ45 dönüştürme kablusunu kullanmanız durumunda bile, yalnızca 1, 2, 3, 6 veri işleme pimlerine güç sağlayan Mod A tipi bir PoE donanımı kullanabilirsiniz.

Ağ Kablusu Özellikleri

Öge	İçindekiler	İşaret
Konektör	RJ45	
Ethernet	10/100Base-T	10/100 Mbps
Kablo	UTP Kategorisi 5e	
Maks Mesafe	100M	DC direnci ≤ 0,188 Ω/m
PoE Desteği	IEEE 802.3af	

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. (XNV-6012/6022R)

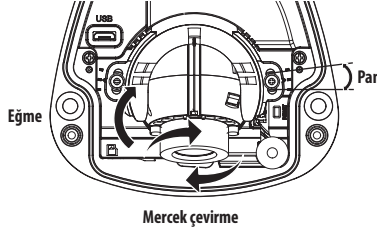
M12 konektör ve M12 kablo kullanmadan binanın dış kısmına monte etmeniz durumunda, dışarıdan bağlanan kabloların boşluğundan su sızabileceğinden, su geçirmezlik için aşağıda gösterilen şekilde su geçirmez butil lastik bant kullanmanız gerekir. (XNV-6012M/6013M/6022RM)

1. PoE kablusunu bağlayın.
2. Siyah kablo kaplamasını (Alan A) ve kablo bağlantı alanını butil plastik bantın 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.

Kameranın izleme yönünün ayarlanması (XNV-6012/6012M/6022R/6022RM)



■ İzleme yönünün ayarlanması

Kamera yönünü sadece kamera tavanda sabitken ayarlayabilirsiniz.

Burada kameranın sağ veya sola çevrilmesine Pan, eğimin ayarlanmasına Eğim ve merceğin ekseninde çevrilmesine Döndürme adı verilir.

- Maksimum PAN aralığı -5° ile +5° arasındadır.
- DÖNDÜRME açısı -90° veya +90°'dir
- Toplam EĞİM aralığı 67°'dir.



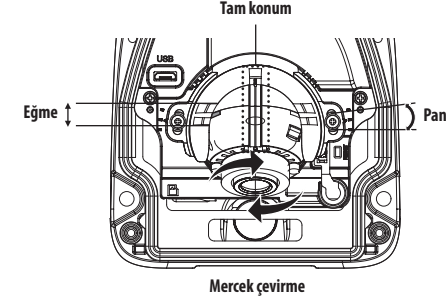
- Kameranın belirtilen değerlerin dışında bir açıda kullanılması IR yansımına veya kör görüntüye neden olabilir.

■ Ayarlama yöntemleri

1. Kamerayı kurduktan sonra, izlenecek yönü dikkate alarak kaydırma açısını ayarlayın.
2. Görüntü ters olmayacak şekilde yatak açığı ayarlayın.
3. Eğim açısını, kamera izlenen nesneye dönecek şekilde ayarlayın.

Kameranın izleme yönünün ayarlanması (XNV-6013M)

■ İzleme yönünün ayarlanması



Kamera yönünü sadece kamera tavanda sabitken ayarlayabilirsiniz.

Burada kameranın sağ veya sola çevrilmesine Pan, eğimin ayarlanmasına Eğim ve merceğin ekseninde çevrilmesine Döndürme adı verilir.

- Maksimum PAN aralığı -5° ile +5° arasındadır.
- DÖNDÜRME açısı -90° veya +90°'dir
- Maksimum eğim aralığı -10° ile +10° arasındadır.



- Belirtilen dönüş açısı dışındaki bir açı kullanıldığında, görüntü kapanabilir. Özellikle eğimi ayarlarken objektif parçası üzerindeki işaretli parçanın ok aralığının dışına çıkmasına izin vermemelisiniz.
- Kaydırma (Pan) ve Eğim (Tilt) birlikte kullanıldığında, görüntü kapanabilir.
- Koridor görüşümü doğru konumda değilse (0 derece) görüntü kapatılabilir.

■ Ayarlama yöntemleri

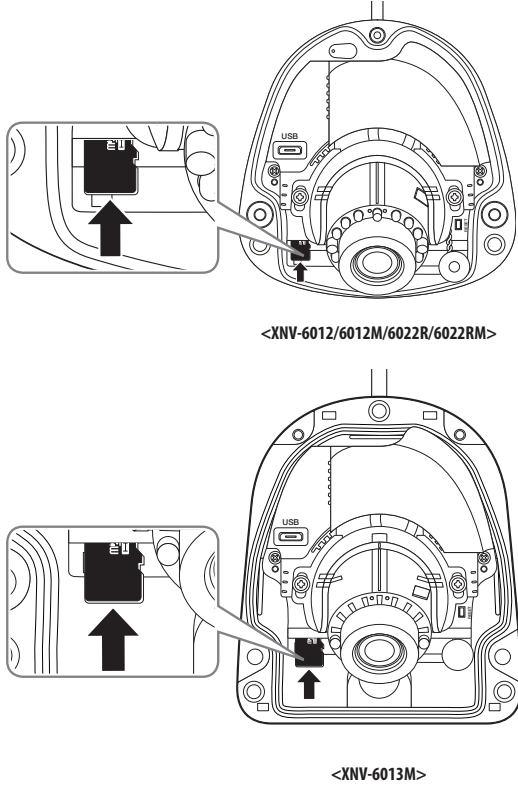
1. Objektifin ortasındaki uzun işareti tam konuma getirin.
2. Kamerayı kurduktan sonra, izlenecek yönü dikkate alarak kaydırma açısını ayarlayın.
3. Görüntü ters olmayacak şekilde yatak açığı ayarlayın.
4. Eğim açısını, kamera izlenen nesneye dönecek şekilde ayarlayın.

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.
- Ürün kapağını sökme işleminin 5 dakika içinde tamamlanması gerekir; aksi takdirde çiy yoğunlaşma riski bulunmaktadır.

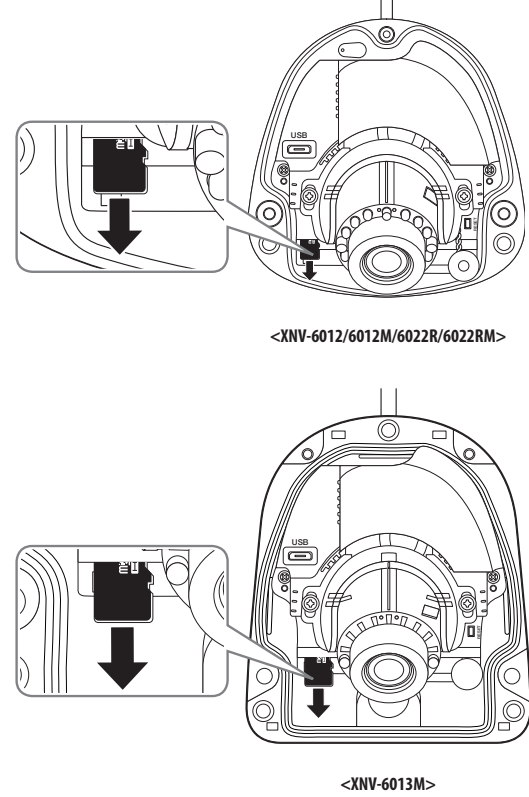
Micro SD Bellek Kartının Takılması

Micro SD bellek kartını şekilde gösterildiği gibi ok yönünde itin.



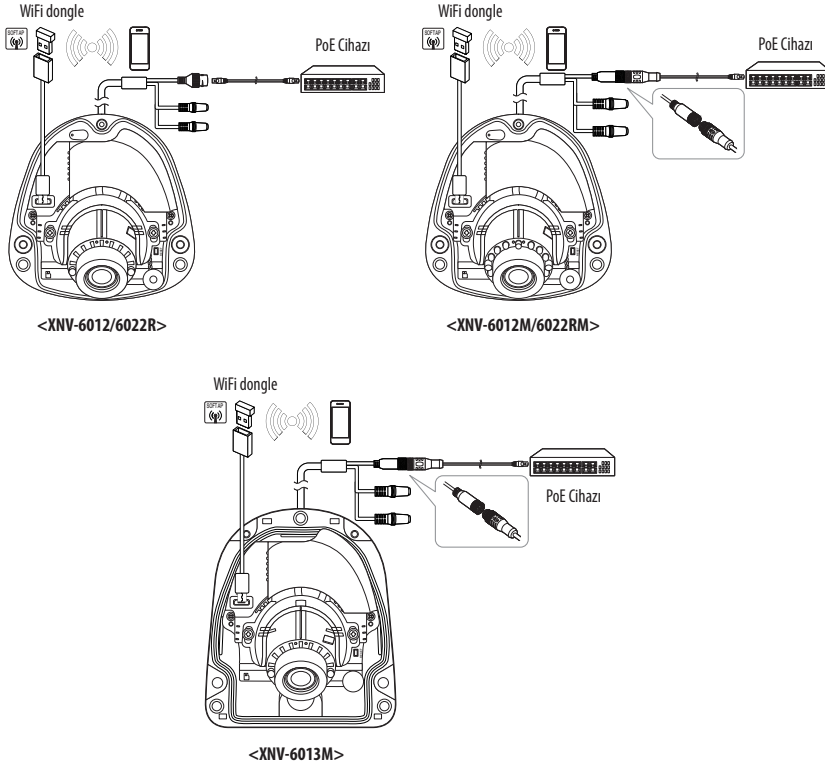
Micro SD Bellek Kartının Çıkarılması

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



- Dikkat: Micro SD bellek kartını çıkık haldeyken sertçe itip bırakırsanız dışarı fırlayabilir.
- Micro SD bellek kartını çıkartmadan önce, <Depolama> alanında, cihazı <Kapalı> duruma getirin ve [Uygula] düğmesine basarak kamerayı kapatın.
- Fotoğraf makinesini kapatarsanız veya üründen veriler içeren Micro SD bellek kartını çıkarırsanız, veriler kaybolabilir veya hasar görebilir.

DiĞER CİHAZLARLA BAĞLANTI



Wi-Fi Bağlantısı

Kamera Ayarı

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

Akıllı Telefon Kurulumu

1. Wisenet kurulum uygulamasını yükleyin.
2. WiFi'yi açtıktan sonra kamera SSID'sini seçin.
3. Wisenet kurulum uygulamasını çalıştırın.
4. Kameraya oturum açtığınızda görüntü bağlantısı kurulur.
5. Akıllı telefonunuz üzerinden görüntüleri izlerken görüş açısını ayarlayabilirsiniz.

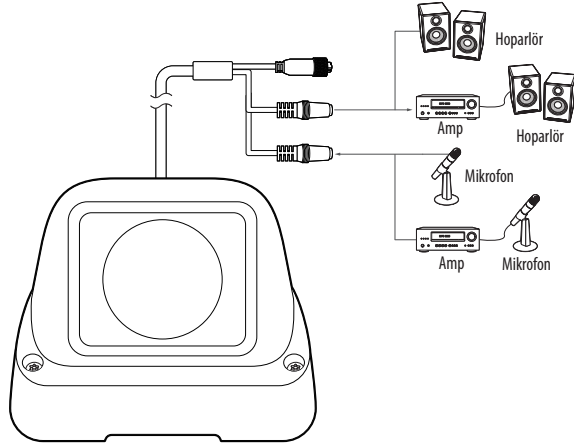
Önerilen dongle üreticisi

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



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

Ses Giriş/Çıkışa Bağlamak



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

- Dahili bir mikrofon olduğundan, harici mikrofon yerine yerleşik mikrofonu kullanabilirsiniz. (Sadece XNV-6012 / 6012M / 6022R / 6022RM için geçerlidir.)
- Ortam gürültüsünün çok fazla olduğu yerlerde harici bir mikrofon kullanmanızı öneririz.

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 (XNV-6012/6012M/6022R/6022RM)** : Seçilebilir (mikrofon/Hat girişi/Tümleşik), Desteklenen voltaj: 2.5VDC (4 mA), Giriş impedansı: 2K Ohm
- **Audio in (XNV-6013M)** : Seçilebilir (mikrofon/Hat girişi), Desteklenen voltaj: 2.5VDC (4 mA), Giriş impedansı: 2K Ohm
- **Audio out** : Çıkış hattı (3.5mm mono jak), Maksimum çıkış: 1Vms
- **Çıkış hattı öz direnci** : 600ohm

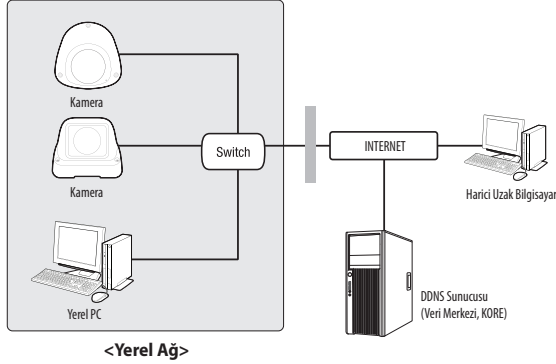
ağ bağlantısı ve kurulumu

Ağ ayarlarınızı ağ yapılandırmanıza göre ayarlayabilirsiniz.

KAMERAYI DOĞRUDAN YEREL ALAN AĞINA BAĞLAMAK

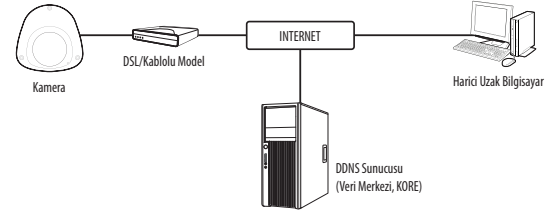
Kameraya Lan Üzerinde Yerel Bir Pc'den Bağlanmak

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 Duvarı 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 19)

KAMERANIN DOĞRUDAN BİR DHCP TABANLI DSL/KABLOLU MODEME BAĞLANMASI

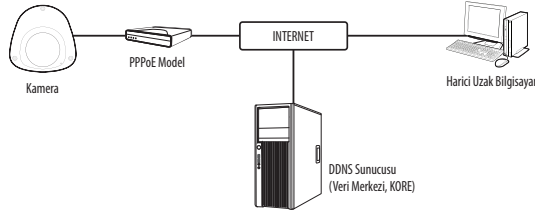


1. Kullanıcı bilgisayarını doğrudan ağ kamerasıyla bağlayın.
2. Device Manager'ı çalıştırın ve İnternet'e bağlanmak için masaüstünüzdeki web tarayıcısını kullanabilmek amacıyla kameranın IP adresini değiştirin.
3. İnternet tarayıcısını kullanarak web görüntüleyiciye bağlanın.
4. [Ayarları] sayfasına gidin.
5. [Ağ] – [DDNS] sayfasına gidin ve DDNS ayarlarını yapılandırın.
6. [Basic] – [IP & Bağlantı Noktası] 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

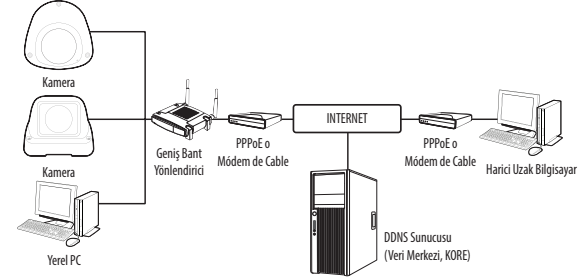


1. Kullanıcı bilgisayarını doğrudan ağ kamerasıyla bağlayın.
2. Device Manager'ı çalıştırın ve Internet'e bağlanmak için masaüstünüzdeki web tarayıcısını kullanabilmek amacıyla kameranın IP adresini değiştirin.
3. İnternet tarayıcısını kullanarak web görüntüleyiciye bağlanın.
4. [Ayarları] sayfasına gidin.
5. [Ağ] – [DDNS] sayfasına gidin ve DDNS ayarlarını yapılandırın.
6. [Basic] – [IP & Bağlantı Noktası] 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 ayan 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

Evlər, 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 21)

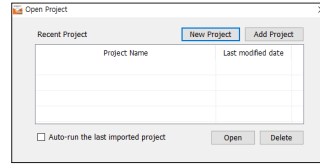
DEVICE MANAGER'I KULLANMA



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

PROJELERİ KURMA

Her proje için kameraları kaydedebilir ve içe aktarabilirsiniz. Yeni bir proje oluşturmak için proje adını ve parolayı ayarlayın. Oluşturulan projeyi çalıştırmak için bir parola girmelisiniz.



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 <Search> seçeneğine tıklayın.
- Listeden kamerayı kontrol edin.
 - Kameraya yapıştırılmış etiketteki MAC adresini kontrol edin.

IP ADRESİNİ YAPILANDIRMA

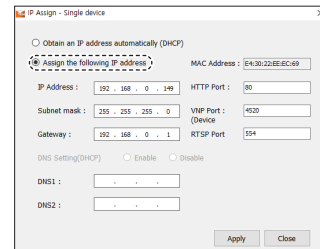
Kamera ağ ayarını değiştirmek istiyorsanız, <Status> kısmında <Login OK> işareti gösteriliyor olmalıdır. Oturum açmak için ana sayfadaki <Credential> seçeneğine tıklayın.

Statik IP'yi yapılandırma

IP adresi ve port bilgilerini manuel olarak ekleyin ve yapılandırın.

Bir kamerayı kurarken

- Listeden IP ayarını değiştirmek istediğiniz kameraya tıklayın.
- Device Manager'ın ana sayfasındaki <IP Assign> seçeneğine tıklayın.
- <Assign the following IP address> seçimini yapın.
 - Kameranın IP bilgileri önceden ayarlandığı gibi görüntülenecektir.
- IP ve Port ile ilgili kategorileri doldurun.



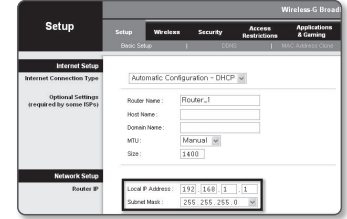
Bir Geniş Bant yönlendirici kullanılmıyorsa

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

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

Bir Geniş Bant yönlendirici kullanılıyorsa

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



- Ayarlar, bağlı Geniş Bant yönlendiricisinin modeline göre farklılık gösterebilir. Daha ayrıntılı bilgi için, geçerli yönlendiricinin kullanım kılavuzuna bakın.
- Geniş bant yönlendiricinin bağlantı noktası iletimi hakkında daha fazla bilgi için bkz. "Bağlantı Noktası Aralığı Aktarım (Bağlantı Noktası Eşleme) Ayarı", (sayfa 21)

Geniş Bant yönlendiriciye bağlı birden fazla kamera varsa

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

örn)

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



- <HTTP Port> 80 dışında bir değere 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. [Apply] Düğmesine tıklayın.

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

ağ bağlantısı ve kurulumu

Birden fazla kamerayı kurarken

Model	MAC Address	IP(Old)	IP(New)	Subnet(New)	Gateway(New)	DNS1(Old)	DNS2(Old)	HTTP	Device	RTSP	Result
WQV-40L...	E4:30:22:8F:29:D4	192.168.0.149						80	4320	554	
QVF-C9L...	E4:30:22:8F:29:D4	192.168.0.150						80	4320	554	

1. Listed IP ayarını değiştirmek istediğiniz kameraya tıklayın.
2. Device Manager'in ana sayfasındaki **<IP Assign>** seçeneğine tıklayın.
3. **<Assign the following IP address>** seçimini yapın.
4. Atanacak IP adresi aralığının başlangıç adresini girin.
5. Her ekipmana atanacak IP adresini kontrol etmek için **[Simulate]** düğmesine tıklayın.
 - IP adresi ögesine çift tıklayarak her adresi düzenleyebilirsiniz.
6. IP atamasını başlatmak için **[Apply]** düğmesine tıklayın.
7. IP atamasının başarı durumu için **<Result>** ögesini kontrol edin.

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

Bir kamerayı kurarken

1. Listed IP ayarını değiştirmek istediğiniz kameraya tıklayın.
2. Device Manager'in ana sayfasındaki **<IP Assign>** seçeneğine tıklayın.
3. **<Obtain an IP address automatically (DHCP)>** seçimini yapın.
4. **[Apply]** düğmesine tıklayın.
5. Başarılı mesajı görüntülenirse, **[OK]** seçeneğine tıklayın.

Model	MAC Address	IP(Old)	IP(New)	Subnet(New)	Gateway(New)	DNS1(Old)	DNS2(Old)	HTTP	Device	RTSP	Result
WQV-40L...	E4:30:22:8F:29:D4	192.168.0.149						80	4320	554	
QVF-C9L...	E4:30:22:8F:29:D4	192.168.0.150						80	4320	554	

Birden fazla kamerayı kurarken

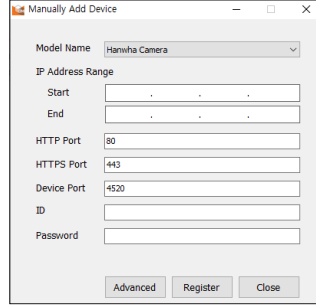
Model	MAC Address	IP(Old)	IP(New)	Subnet(New)	Gateway(New)	DNS1(Old)	DNS2(Old)	HTTP	Device	RTSP	Result
WQV-40L...	E4:30:22:8F:29:D4	192.168.0.149						80	4320	554	
QVF-C9L...	E4:30:22:8F:29:D4	192.168.0.150						80	4320	554	

1. Listed IP ayarını değiştirmek istediğiniz kameraya tıklayın.
2. Device Manager'in ana sayfasındaki **<IP Assign>** seçeneğine tıklayın.
3. **<Obtain an IP address automatically (DHCP)>** seçimini yapın.
4. IP atamasını başlatmak için **[Apply]** düğmesine tıklayın.
5. IP atamasının başarı durumu için **<Result>** ögesini kontrol edin.

KAMERAYI MANUEL OLARAK KAYDETME

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

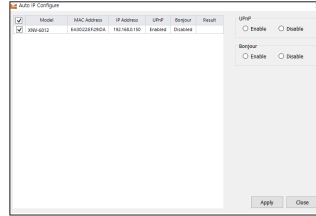
1. Device Manager'ın ana sayfasındaki **<Add Devices>** – **<Manually Add Device>** seçeneğine tıklayın.
2. Aradığınız IP adresi aralığını ekleyin.
3. Kaydettiğiniz kameranın **<Model Name>** seçin ve HTTP portu, HTTPS portu, kimlik ve şifre bilgilerini ekleyin.
4. **[Register]** düğmesine tıklayın.
5. Kameranın kayıtlı olup olmadığını kontrol edin.
 - Kameraya yapılandırılmış etiketteki MAC adresini kontrol edin.



Manually Add Device dialog box. It contains fields for Model Name (Hansha Camera), IP Address Range (Start, End), HTTP Port (80), HTTPS Port (443), Device Port (4520), ID, and Password. There are buttons for Advanced, Register, and Close.

IP'YI OTOMATİK OLARAK YAPILANDIRMA

1. Listedeki IP'ni otomatik olarak yapılandırmak istediğiniz kameraya tıklayın.
2. Device Manager'ın ana sayfasındaki **<+>** seçeneğine tıklayın.
 - Ekipman Ayarı menüsü görünür.
3. Menüde **<Auto IP Configure>** seçeneğine tıklayın.
4. **<UPnP>** ya da **<Bonjour>** protokolünü kullanmak için **<Enable>** öğesini seçin ve **[Apply]** düğmesine tıklayın.



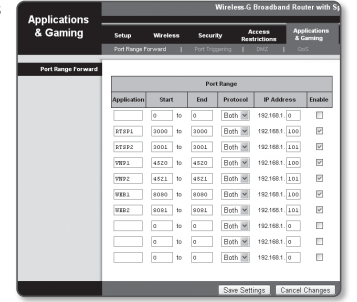
Auto IP Configure dialog box. It shows a table with columns: Model, MAC Address, IP Address, UPnP, Bonjour, and Status. The first row is selected. There are checkboxes for UPnP and Bonjour, and buttons for Apply and Close.

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 **<Ayarları>** - **<Basic>** - **<IP & Bağlantı Noktası>** bölümünde belirlenen port sayısına göre ayarlanmalıdır.
3. İşlem tamamlandığında **[Save Settings]** düğmesini tıklayın. Ayarlarınız kaydedilir.



Port Range Forward configuration screen. It shows a table with columns: Application, Start, End, Protocol, IP Address, and Enable. There are buttons for Save Settings and Cancel Changes.

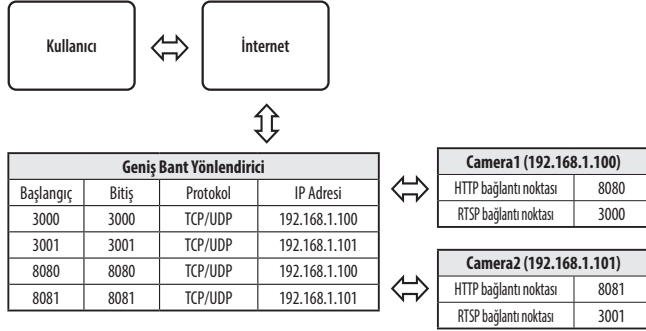
- Port yönlendirme ayarı, CISCO IP yönlendirici ayanına bir örnektir.
- Ayarlar, bağlı Geniş Bant yönlendiricisinin modeline göre farklılık gösterebilir. Daha ayrıntılı bilgi için, geçerli yönlendiricinin kullanım kılavuzuna bakın.

ağ bağlantısı ve kurulumu

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 Çıktır) 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

- Device Manager'ı çalıştırın. Bağlı kameralar taranır ve kameraların bir listesi görüntülenir.
- İstediğiniz projeyi seçin ve [Open] düğmesine tıklayın.
- Parolayı girdiğinizde projedeki kameraların listesi görüntülenir.
- Bir kameraya erişmek için üzerine çift tıklayın. İnternet tarayıcı başlatılır ve kameraya bağlanır.

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

KAMERAYA İNTERNET ARACILIĞIYLA UZAK BİR BILGISAYARDAN BAĞLANMA

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

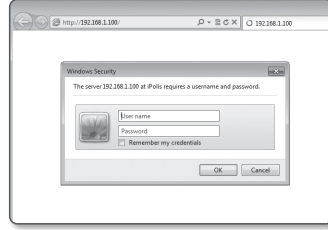
- Geniş Bant yönlendirici ağındaki bir kameraya erişebilmek için, öncelikle Geniş Bant yönlendirici için bağlantı noktası aralığı aktarımını ayarlamış olmanız gerekir.
- Uzak bilgisayardan İnternet tarayıcıyı başlatın ve kameranın DDNS URL adresini veya Geniş Bant yönlendiricinin IP adresini adres çubuğuna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

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

KAMERAYA BAĞLAMA

Normal koşullar altında aşağıdakileri yapmanız gerekir

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



HTTP bağlantı noktası 80 dışında bir değer ise

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

URL adresinin kullanılması

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

! ■ Yalnızca LAN ortamında ağ bağlantısı devre dışı bırakılır.

UPnP üzerinden bağlanma

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

Bonjour üzerinden Bağlanma

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



■ UPnP ya da Bonjour protokolünü kullanmak için "IP'yi otomatik olarak yapılandırma" başlığına bakın.

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 aygıtı erişmeye çalıştığınızda değişen IP'yi kolayca kontrol edebilirsiniz.

Cihazınızı <DDNS> sunucusuna kaydetmek için http://ddns.hanwha-security.com adresini ziyaret edin ve öncelikle cihazınızın kaydını yapın ve sonra Ağ Görüntüleyici'yi <Ağ> - <DDNS> <DDNS> olarak ayarlayın ve DDNS kaydı için kullanılan <Ürün Kimliği> girin.

ŞİFRE AYARI

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

- 8 ile 9 haneli yeni bir şifrede, şunlardan en az üçünü kullanmanız gerekir: büyük/küçük harfler, sayılar ve özel karakterler. 10 ile 15 haneli bir şifrede, yukarıda belirtilen türlerden en az ikisini kullanmanız gerekir.
 - İzin verilen özel karakterler: ~!@#%&*()_+=[\]{}?/
- Daha üst seviyede güvenlik için şifrelerinizde aynı karakterlerin veya ardışık klavye girişlerinin tekrarlanmaması önerilir.
- Şifrenizi kaybettiyse, 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. Şifreyi <Password> giriş alanına girin.
2. [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 işleminin 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.

HER BİR TARAYICI İÇİN EKLENTİ DESTEĞİ ÖZELLİKLERİ

Mevcut web görüntüleyicisi eklentisi ve yeni eklentisiz web görüntüleyicisi birlikte tümleşiktir.

Bu, web görüntüleyicisi, eklentileri desteklemeyen Chrome, EDGE ve FireFox (yalnızca Windows 64-bit) gibi daha yeni tarayıcı ortamlarında kullanmanıza olanak tanır. IE ve Safari gibi eklenti yüklemeye izin veren tarayıcılar için eklentinin kurulması önerilir.

- **Chrome, Mozilla Firefox (sadece Windows 64-bit), EDGE tarayıcı** : Bu tarayıcıların eklenti desteği olmamasına rağmen, bir web görüntüleyicisini eklentisiz ve tümleşik olarak kullanabilirsiniz.
- Eklentisiz webviewer, eklenti webviewer'a oranla daha düşük performansa sahip olduğu için, yüksek kaliteli profillerin izlenmesi ve kaydedilen videoların oynatılması konularında limitler vardır. Yüksek kaliteli profillerin izlenmesi ve kaydedilen videoların oynatılması için eklenti webviewer veya SmartViewer kullanın.
 - Eklentisiz web-viewer oluşturma koşulları: Seçilen profil MJPEG Tam HD 10kare/sn H.264'ü aşıyor (Chrome : tam ekran çözünürlüğü destekler / Edge, Firefox, Safari : Tam HD 30 kare/sn veya üstü) H.265 Tam HD 10kare/sn 2Mbps veya üstü
 - Eklentisiz oynatma koşulları: MJPEG/H.264 tam ekran çözünürlüğü, H.265 HD veya daha düşük
- Eklentisiz özelliği Chrome tarayıcısı için optimize edilmiştir.
- Adaptive Streaming'i Destekler
 - Bu özellik, 5 saniyeden uzun bir gecikme olması durumunda profili otomatik olarak düşürür. Önerilenlerden daha düşük donanım özelliklerine sahip bir sistemde video oynatılırken gecikmede artış ve tarayıcıdan yanıt gelmemesi gibi sorunları önlemek için geliştirilmiştir. Video profili aşağıdaki sırayla düşürülür: 1920X1080(20fps) -> 1280X720(20fps) -> 640X480(20fps).

- **IE, Safari tarayıcı** : Mevcut web görüntüleyicisi eklentisini yüklemesenz bile bir web görüntüleyicisi kullanabilirsiniz.

- Kaydedilen videoları sorunsuz olarak izlemek/oynatmak için bir eklenti kurmanız gerekir.

WebViewer EKLENTİSİNİN KURULUMU

Eklenti web görüntüleyiciye erişmek ve canlı video (H.264/H.265) veya kaydedilmiş bir videoyu oynatmak için, bir kurulum mesajı görüntülenir. Bu anda işlevi düzgün bir şekilde kullanabilmeniz için web görüntüleyici eklentisini kurmanız gerekir.

1. İzleme sayfasına ilk erişimde, kurulum sayfası görüntülenir. Kurulumla başlamak için **[Plugin]** düğmesine tıklayın.

■ Eklenti kurulum dosyası indirme durumu Internet Explorer dosyasında %99'da durdurulduysa "Araçlar → SmartScreen filtresi" bölümünde "SmartScreen filtresini kapat" seçimini belirledikten sonra yeniden deneyin.

2. Mesaj penceresinde **[Run]** düğmesine tıklayın.
3. Tüm tarayıcı pencerelerinin kapatılacağını belirtilen uyarı penceresi görüntülendiğinde **[Yes]** düğmesine tıklayın.

■ Önceden kurulmuş bir Web Görüntüleyici Eklentisi yoksa, adım 4 ve 5 atlanır.

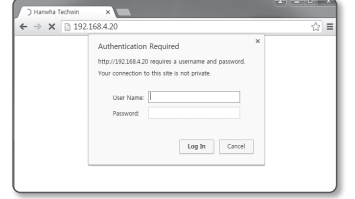
4. Web Görüntüleyici Eklentisinin eski sürümü kuruluysa, eski sürümün silindiğini gösteren bir uyarı penceresi görüntülenir.
Uyarı penceresi görüntülendiğinde **[Yes]** düğmesine tıklayın.
5. **[OK]** düğmesine tıklayın.
Web Görüntüleyici Eklentisinin eski sürümü silinir.
6. Web Görüntüleyici Eklentisinin kurulumuna başlamak için **[Install]** düğmesine tıklayın.
7. **[Finish]** düğmesine tıklayın.
Web Görüntüleyici Eklentisinin kurulumu tamamlanmıştır.

■ Internet Explorer'ınızda, webviewer eklentisini kurduktan sonra kurulum ekranına gitmek istiyorsanız, "Araç → Ek İşlev Yönetimi" menüsünde webviewer_activeplugin_lib.control öğesinin "Etkin" olup olmadığını kontrol edin. Etkin değilse ve devam eden bir sorun varsa, "Araçlar → İnternet Seçenekleri → Genel" öğesini seçin ve arama kayıtlarının tümünü silin.
Sorun devam ederse, lütfen "Araçlar → İnternet Seçenekleri → Güvenlik → Güvenilen siteler" bölümüne gidip kameranızın IP veya Etki Alanını kaydedin.

EKLENTİSİZ WEB GÖRÜNTÜLEYİCİ KULLANMA

Eklentileri ayrı ayrı yüklemek mümkün olmasa da, kameraya Google Chrome, Mozilla Firefox veya MS Edge web tarayıcısından erişerseniz, eklentileri kurmadan kamera görüntüsünü izleyebilir ve denetleyebilirsiniz.

1. Oturum açmak için kullanıcı adınız ve parolayı girin.
2. Oturum açtığınızda, kameranın canlı görüntü ekranı görünür.



Kamerayı ayarlamak için

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

SORUN GİDERME

SORUN	ÇÖZÜM
Bir Windows 10 kullanıcısı Chrome veya Firefox aracılığıyla web görüntüleyiciye eriştiğinde, mikrofonun ses düzeyi periyodik olarak değişir.	Mikrofon sürücüsü Realtek sürücüsüne ayarlandığında ne olur. Mikrofon sürücüsü olarak Yüksek Çözünürlüklü Ses aygıtını (Windows Varsayılan Sürücü) veya üçüncü taraf sürücüyü yükleyin.
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 görüntülemeye devam eterse, Safari tarayıcıdan çıkmak için komut tuşu + Q tuşuna basın, sayfaya yeniden erişin ve yukarıda belirtilen işlemleri uygulayın.
Kameraya ağ tarayıcısından erişemiyorum.	- Kameranın Ağ ayarlarının uygun olduğuna emin olmak için kontrol edin. - Bütün ağ kablolarının düzgün olarak bağlandığına emin olmak için kontrol edin. - Eğer DHCP ile bağlanılmışsa, kameranın problemsiz olarak dinamik IP adresi alabildiğini kontrol edin. - Eğer kamera bir Geniş Bant yönlendiriciye bağlıysa, port yönlendirmenin doğru yapılandırıldığını kontrol edin.
İzleme sırasında İzleyici bağlantısı kopuyor.	- Bağlı İzleyicilerin bağlantısı, kamerada ya da ağ yapılandırmasında yapılan değişikliklerle kopar. - Bütün ağ bağlantılarını kontrol ediniz. - Eğer kamera bir PPPoE ağına bağlıysa, İzleyicinin 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.
Ses girişi ayarları yapılandırılmış olsa bile ses kaydedilmez.	<Basic> - <Video Profili> bölümünde <Ses Girişi> onay kutusunu seçin.

SORUN	ÇÖZÜM
<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 kullanım için işaretlenip işaretlenmediğini 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/sıfre 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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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	
mtdev-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtdev-utlis
mii-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	
zeroconf	GPL 2.0	

LGPL SW

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

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- Version 1.1

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patent restrictions on the remaining code.

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

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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 (deflate format) and rfc1952.txt (gzip format).

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Hanwha Vision üretimini 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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