

How to Setup the Long Range PoE Capability of the uniview tec Camera

The following steps will guide you in setting up the Long Range PoE Capability of the uniview tec camera. This can extend cable lengths up to 820ft (250M) depending on the camera model. Please note that to take advantage of Long Range PoE capability the camera will need to be connected to either a uniview tec NVR or uniview tec Switch that supports Long Range PoE.

Camera Setup

First, login to the setup of the IP camera.

This can be accomplished by browsing into the IP address of the camera.

At the login screen enter the User/Password of the camera. The default credentials are admin / 123456

(a) 6 http://192.168.10.211/ P - C 6 192.168.10.211	
₩ 192.108.10.211	×
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Uniview tec IPB5213M	
Username admin	
Password ••••••	
Live View	
Login Reset	



When the Live View screen comes up click on Setup.

Once in the Setup menu click on Network under Common. You will then want to change the operating mode to 10M Auto-negotiation and click Save.

This change can also be accomplished by connecting the camera to the uniview tec Test Monitors (<u>4KTESTMON)</u>.

uniview tec E Live View	🗰 Playback	🖻 Photo 🔅 Setup	
Common	Network		
Basic Info	IPv4		
Local Parameters	Obtain IP Address	DHCP	~
Network Time Server OSD User	- IPv6 Mode Address Prefix Length Default Gateway	Manual 64	~
Network	Basic		
Video & Audio	MTU	1500	
Image	Port Type	FE Port	~
Intelligent	Operating Mode	10M Auto-negotiation	Ý
Events			
Storage	Save		

NVR Connection Setup

If you are connecting the camera to one of the PoE ports on the NVR you will need to enable Extended Transmission in the NVR. To do this you will need to access the Setup page of the NVR by browsing to the local IP address of the NVR and logging in with the credentials for the NVR.

Once on the Live View screen click on Setup.



After accessing Setup, go to Camera. On the Camera page select the channel of the camera you want to enable Extended Transmission for, and then click on Modify.

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Client	~	Cam	era		Fisheye		Adva	nced			
System	8										
Camera	*	Aut	to Swite	h to H.265	⊙ On ⊖	Off N	ote: Effective when firs	st connected			
Camera		Aut	to Swite	h to Smart Enco	oding Advanced	d Mode	✓ Note: Effect	ive when firs	t connecte	d	
Encoding		Re	fresh	Modify	Auto Search	Search	Segment				
OSD			No.	Camera ID	Address	Port	Remote Camera ID	Protocol	Status	Vendor	Model
Image							Remote Camera ID			univiewtec	
Schedule		-	1	D1	172.16.0.18	80	1	Private			IPB4212M
Motion			2	D2	172.16.0.100	80	1	Private		univiewtec	IPT436
			3	D3	172.16.0.27	80	1	Private		univiewtec	IPT428
Video Loss			4	D4	172.16.0.5	80	1	Private	1	univiewtec	IPFE4180

uniview te	C (🛒 Live View 📰 Pl	ayback 🏘 Setup	_
Client	*	Camera	Fisheye	Advanced
System	*			
Camera	*	Add Mode	IP Address 🗸	
Camera		Protocol	Private 🗸	
Encoding		IP Address	172.16.0.100	
OSD		Port	80	
Image		Username	admin	
Schedule		Password		
Motion Video Loss		Remote Camera ID	1	
Tampering Privacy Mask		Extended Transmission	⊙ On ⊖ Off	
Snapshot		Search Save	Cancel	
VCA	*			
Hard Disk	*			

After entering Modify, enable Extended Transmission.

Network Switch

If the camera is connected to one of the uniview tec switches you will need to turn on the Extended Transmission switch on the front of the unit.

Front panel

	PoE Switch

Extend switching guide

You can toggle switch to decide whether to use Extend or not (Note: After toggling the switch, you need to reboot the device to enable or disable this function):

ON: Extend mode is enabled. All downlink ports are separated, and the network transmission distance is extended to 250 meters.

OFF: Extend mode is disabled (switch to standard switching mode). All ports can communicate with each other.