NET6500 IP ENCODER 2 SERIES

3-YEAR WARRANTY

Convert existing analog CCTV video to digital streams that any VMS can retrieve with the NET6500 IP Encoder 2 Series. The IP encoder enables sites to view and record footage through the VMS software from analog cameras. With the NET6500, users will gain the benefits of a network video solution without having to replace current analog equipment and cabling. Government facilities, casinos, and commercial businesses can leverage this cost-effective approach by converting existing analog cameras to digital IP feeds. This provides an opportunity to keep existing video security equipment integrated into the latest IP camera system while allowing security teams to reduce time and costs in the transition.



Onvie

W.

FEATURES

-

EASY INSTALLATION

Provides enhanced flexibility and installation cost savings that allow clients to transition to IP in stages, starting with IP encoders connected to the existing analog cameras and migrating to IP cameras over time.

COMPATIBLE WITH PELCO CAMERAS, INCLUDING COAXITRON AND PELCO D

Offers pan/tilt/zoom control of a camera over a coaxial cable.



ONVIF S COMPLIANT

The IP encoder enables sites to view and record footage through VMS software with advanced functionality from existing analog cameras.

ONVIF is a trademark of Onvif, Inc.

H.264 AND H.265 HIGH, MAIN, AND BASE COMPRESSION

Optimizes compression levels for regions in a scene to help maximize bandwidth savings and keep storage costs down.





SPECIFICATIONS

MODEL NAME		NET6504	NET6516
Video	Input Signal	AHD (8M, 5M, 4M, 3M, 2M, 720p) TVI (8M, 5M, 4M, 3M, 2M, 720p) SD (NTSC, PAL)	AHD (8M, 5M, 4M, 3M, 2M, 720p) TVI (8M, 5M, 4M, 3M, 2M, 720p) SD (NTSC, PAL)
	Input Signal	4CH (10 KOhm, 1 Vrms)	16CH (10 KOhm, 1 Vrms)
Audio	Output Signal	1CH (600 Ohm, 2.8 Vpp)	1CH (600 Ohm, 2.8 Vpp)
	CODEC	G.711 u-law	G.711 u-law
	CODEC	H.264 / H.265	H.264 / H.265
Encoding	Encoding Rate	Up to 32FPS @ 3840 x 2160 (8M) Up to 40FPS @ 2592 x 1944 (5M) Up to 60FPS @ 2688 x 1520 (4M) Up to 60FPS @ 2560 x 1440 (QHD) Up to 72FPS @ 2048 x 1536 (3M)	Up to 128FPS @ 1920 x 2160 (8M Half) Up to 64FPS @ 2560 x 2160 (8M) Up to 160FPS @1296 x 1944 (5M Half) Up to 96FPS @ 2560 x 1944 (5M) Up to 240FPS @ 1344 x 1520 (4M Half) Up to 120FPS @ 2560 x 1520 (4M) Up to 240FPS @ 1280 x 1440 (QHD Half) Up to 120FPS @ 2560 x 1440 (QHD) Up to 240FPS @1024 x 1536 (3M Half) Up to 144FPS @2048 x 1536 (3M) Up to 240FPS @ FHD
	Encoding Resolution	CIF, 2CIF, D1, 960H, 720P, 1080P, 3M, 4M, 5M, 8M	CIF, 2CIF, D1, 960H, 720P, 1080P, 3M, 4M, 5M, 8M
Alarm I/O	Alarm Input	4CH, Pulled up to 5V via 10 KOhm	16CH, Pulled up to 5V via 10 KOhm
	Alarm Out	1CH, RELAY(120 VAC, 24 VDC)	1CH, RELAY(120 VAC, 24 VDC)

INTERFACES	NET6504	NET6516
USB	1	1
RS-485	1	1
RS-232		
LAN	1 (10/100 Mbps)	1 (10/100/1,000 Mbps)
Watchdog	Yes	Yes
Cooling Fan		1EA
Real Time Clock	Yes	Yes
Buzzer	Yes	Yes

MODEL NAME		NET6504	NET6516
Power	Power Supply	12V / 3A adaptor	12V / 3A adaptor
	Power Consumption	6W (12V)	15W (12V)
Environment	Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
	Humidity	10 ~ 90% NC	10 ~ 90% NC
Chassis	Dimension	1U 260(W) x 262.6(D) x 44(H)	1U 380(W) x 314.6(D) x 44(H)
	Weight	1.5 kg (3.30 lb)	2.6 kg (5.73 lb)
Certifications		UL, cUL, FCC, CE, UKCA, KC	UL, cUL, FCC, CE, UKCA, KC

ENCODING	
Video Compression	H.264 / H.265
Audio Compression	G.711 u-law
Encoding Resolution	CIF, 2CIF, D1, 960H, 720P, 1080P, 3M, 4M, 5M, 8M

ENCODING Encoding Rate Up to 30FPS, varies with stream configuration NETWORK Connections: 32 users (Maximum connection number is fixed) Dual Streaming Yes ONVIF ONVIF Profile S Protocols RTP, RTSP, RTCP, SMTP, NTP, HTTP, FTP, DDNS, DHO	CP, Upnp (Router Port Forwading)
NETWORK Maximum Connections Connections: 32 users (Maximum connection number is fixed) Dual Streaming Yes ONVIF ONVIF Profile S	P, Upnp (Router Port Forwading)
Maximum Connections Connections: 32 users (Maximum connection number is fixed) Dual Streaming Yes ONVIF ONVIF Profile S	CP, Upnp (Router Port Forwading)
(Maximum connection number is fixed) Dual Streaming Yes ONVIF ONVIF Profile S	CP, Upnp (Router Port Forwading)
ONVIF ONVIF Profile S	CP, Upnp (Router Port Forwading)
	CP, Upnp (Router Port Forwading)
Protocols BTP BTSP BTCP SMTP NTP HTTP ETP DDNS DH(CP, Upnp (Router Port Forwading)
EVENT & ACTIONS	
Event Notification Yes	
Alarm Sensor Event Yes	
Video Loss Event Yes	
Motion Detection Event Yes	
SYSTEM	
Operating System LINUX®	
PTZ Protocols Pelco D & P, Coaxitron	
Network Time Sync Yes	
Auto Time Sync Yes	
Daylight Savings Time Yes	
F/W Upgrade Yes	
Setup Import/Export Yes	
Browser Support Internet Explorer 11, Edge, Chrome ¹ , Safari, Firefox	

Multi-language ¹ Although Chrome is a preferred browser, it has a slower live view speed that is not optimized for PTZ movement.

OUTLINE DIMENSIONS

NET6504

Language



[X.X]	INCHES
Х	MM

NET6516

[X.X]	INCHES
Х	MM



4-CHANNEL RACK MOUNT

[X.X]	INCHES
Х	MM



16-CHANNEL RACK MOUNT



ORDERING INFORMATION

SYSTEM MODELS

MODEL NUMBER	DESCRIPTION
NET6504-AU	Rack Mount Encoder 4-CH, AU Power Cord
NET6516-AU	Rack Mount Encoder 16-CH, AU Power Cord
NET6504-EU	Rack Mount Encoder 4-CH, EU Power Cord
NET6516-EU	Rack Mount Encoder 16-CH, EU Power Cord
NET6504-UK	Rack Mount Encoder 4-CH, UK Power Cord
NET6516-UK	Rack Mount Encoder 16-CH, UK Power Cord
NET6504-US	Rack Mount Encoder 4-CH, US Power Cord
NET6516-US	Rack Mount Encoder 16-CH, US Power Cord

SUPPORT

Learn more and find additional documentation at <u>pelco.com</u> or email <u>support@pelco.com</u> for specific product support.



FELCO. a Motorela Solutions Company

Jun 2022 | | Rev 1

© 2022, Motorola Solutions, Inc. All rights reserved. MOTOROLA, MOTO, MOTOROLA SOLUTIONS, and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. Pelco, the Pelco logo, and other trademarks associated with Pelco products referred to in this publication are trademarks of Pelco, Inc. or its affiliates. All other product names and services are the property of their respective companies. Product specifications and availability are subject to change without notice.