

# Spectra® IV IP Network Communication Module

## IP COMMUNICATION MODULE FOR SPECTRA IV DOME SYSTEMS

### Product Features

- 2 Models to Fit All Spectra® IV Camera Systems (Pressurized and Surface Mount Models Excluded)
  - TXB-IP-F for Use with In-Ceiling Models
  - TXB-IP-P for Use with Pendant Models
- Ability to Control and Monitor Video Over IP Networks, Without Losing Analog Capabilities
- 3 Simultaneous Video Streams
  - Dual MPEG-4
  - MJPEG
- Supported Protocols: TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, NTP
- Single Cat5e Cable for Video
- Bidirectional Full-Duplex Audio

The **TXB-IP** is a network-based communication module for all Spectra® IV camera systems (excluding pressurized and surface mount models). This new product allows an existing Spectra IV camera system to retain all of its current system and analog capabilities while adding IP connectivity. When the **TXB-IP** is plugged into a Spectra IV back box, the camera system features Web and Endura® connectivity, as well as open architecture connectivity to third-party software. Pelco offers an industry leading application programming interface (API) for interfacing with Pelco's network camera systems.

The **TXB-IP** allows simultaneous access to the camera from both an analog and IP-based control point.

**NOTE:** The TXB-IP can only be used with Spectra IV back boxes. It is not compatible with Spectra III™ and older model back boxes.



**TXB-IP-F TRANSLATOR BOARD  
(SHOWN INSTALLED WITH SPECTRA BACK BOX)**



# TECHNICAL SPECIFICATIONS

## MODELS

TXB-IP-F	Spectra IV IP communication module for in-ceiling model back boxes
TXB-IP-P	Spectra IV IP communication module for pendant model back boxes

## GENERAL

Construction	Printed circuit board (PCB) enclosed in an aluminum housing
Mounting	Plugs into interconnect PCB of Spectra IV back boxes*
Dimensions	3.44" L x 2.31" W x 0.69" H (8.74 x 5.87 x 1.75 cm)
Weight	
Unit	0.2 lb (0.1 kg)
Shipping	1.0 lb (0.5 kg)

\*Excludes pressurized and surface mount back boxes.

## VIDEO

Compression	MJPEG, MPEG-4 (available only with Microsoft® Internet Explorer®)
Video Streams	3, simultaneous
Video Resolutions	NTSC    PAL
4CIF	704 x 480    704 x 576
2CIF	704 x 240    704 x 288
CIF	352 x 240    352 x 288
QCIF	176 x 120    176 x 144
Bit Rate Configurable	
MPEG-4	30 ips; 2 Mbps for primary stream, 1 Mbps for secondary stream; implements EnduraView™
MJPEG	15 ips, 3 Mbps, MJPEG
Web User Interface	Pelco Device Utility interface for viewing HTTP, requires Java Runtime Environment (JRE™)
Users	5 simultaneous users MJPEG and MPEG-4 unicast; unlimited number of users through multicast (MPEG-4 only)
Minimum System Requirements	
Processor	Intel® Pentium® 4 microprocessor, 1.6 GHz
Operating System	Windows® 98, Windows 2000, Windows XP (or later) or Mac® OS X 10.3.9 (or later)
Memory	512 MB RAM
Network Interface Card	100 megabits
Web Browser	Internet Explorer 5.5 (or later); Mozilla® Firefox® 1.5 (or later)
Monitor	Minimum of 1024 x 768 resolution, 16- or 32-bit pixel color resolution
Firmware Upgrade	Pelco Device Utility or Endura Application
Supported Protocols	TCP/IP, UDP/IP (unicast, multicast IGMP),UPnP, DNS, DHCP, RTP, NTP

## AUDIO

Streaming	Bidirectional: full or half duplex
Input/Output	Terminal block, analog for microphone and speaker; 600-ohm differential; 1 Vp-p maximum signal level
Compression	G.711 PCM 8 bit, 8 kHz mono at 64 kbit/s

## ELECTRICAL

Network Connection	Ethernet 10/100Base-T, Cat5e cable with RJ-45 connector
Input Voltage	24 VAC
Power Consumption	2.7 W

## CERTIFICATIONS

- CE, Class B
- FCC, Class B
- UL/cUL listed
- C-Tick

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