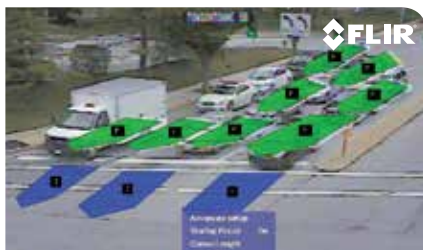# FLIR ViewCom/E MAX+

Communication Board Linking VIP Boards to Your Network

Typically, VIP detector boards are installed in rack systems. In each rack, a dedicated communication board handles compression and transmission of data, alarms, images, and real-time streaming video over the internet in MJPEG/ MPEG-4 or H.264. These communication interfaces link the VIP boards with different types of communication networks: direct line, telephone lines, fiber networks, and wireless communication.

Remote access to ViewCom/E MAX+ via the internet browser allows for real-time monitoring of the VIP detector boards' streaming video, as well as board setup.

KEY FUNCTIONS

• TRANSMISSION OF DATA, EVENTS AND ALARMS GENERATED BY THE VIP DETECTOR BOARDS

• IP-ADDRESSABLE COMMUNICATION BOARD

• JPEG IMAGE COMPRESSION

• MJPEG/ MPEG-4/H.264 STREAMING VIDEO

• QUAD VIEW OF FOUR CAMERAS FOR INTERSECTION OVERVIEW

• WEB SERVER WITH DYNAMIC HTML PAGES FOR REMOTE ADMINISTRATION

• REMOTE AND REAL-TIME MONITORING OF THE VIP DETECTOR BOARDS

• SNMP NETWORK MANAGEMENT PROTOCOL SUPPORT

KEY BENEFITS

• SINGLE SLOT DIRECT PLUG-IN MODULE, RACK SPACE SAVING BOARD

• CONNECTS VIA SDLC INTERFACE DEVICE WITH TS2 CONTROLLERS

• FIELD-PROVEN PERFORMANCE

• EASY-TO-INSTALL, USER-FRIENDLY SETUP, HIGH MEAN TIME BETWEEN FAILURES (MTBF) AND LOW MEAN TIME TO REPAIR (MTTR)

Remote access to ViewCom/E MAX+ via the internet browser

Quad view of four cameras for intersection overview

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Imaging Specifications

	VIEWCOM/E MAX+
Dimension	S4.5 in H x 1.1 in W x 7.0 in L (114 mm x 28 mm x 178 mm)
COMMUNICATION	
Ports	Keypad control port RS-232 communication port RS-485 (polling of the detector boards)
Ethernet	Ethernet (TCP/IP) communication
Compatibility	Compatible with 170, 2070, NEMA TS1 & TS2 and ATC controllers
INPUTS	
Inputs	6 composite video inputs - 1 Vptp RS-170(A) / CCIR Power Supply Reset button on front panel
OUTPUTS	
Composite video	(RCA) out with system info
Analogue video	Video output with system info
Indicators	Auto diagnostic LED indicators
CONNECTOR (back)	Double row 22 pins EDGE (NEMA TS 2-1992)
POWER SUPPLY & CONSUMPTION	
Power	+10.8V DC to +26,5V DC
Consumption	170mA @ 24V DC
ENVIRONMENTAL	
Operating temperature	-34°C to +74°C (-29°F to +165°F)
Humidity	0 to 95% relative humidity - non-condensing
Shock & vibration	NEMA TS 2
FCC	FCC Part 15 Class A

SYSTEM ARCHITECTURE

In a typical installation, the VIP detector boards (single or dual video input) are plugged into a standard cabinet rack. A VIP 2I/Os or 4I/Os expansion module may provide extra inputs and outputs to the VIP detector board. VIEWCOM/E MAX+ transmits data, events and alarms generated by the VIP detector boards to Flux (stand-alone software platform for data collection and storage). Alternatively the VIP detector boards are configured for use with an Interface Device to connect with a TS2 controller using SDLC. In this case, presence detection information is communicated serially to the Interface Device via VIEWCOM/E MAX+. Remote access to VIEWCOM/E MAX+ via the internet browser allows for real-time monitoring of the VIP detector boards (streaming video) and board setup (VIP detector boards and VIEWCOM/E MAX+ board).

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