

Protocol Interface Translator

www.honeywellvideo.com

HVBPIT44

Honeywell's VideoBloX matrix systems are uniquely flexible in their ability to interface with many devices, while providing interconnectivity to highspeed domes, pan-tilt zoom cameras, controllers, multiplexers, DVRs and other related CCTV equipment.

Interconnectivity is achieved using Protocol Interface Translators (PITs). These devices are the true building blocks of the matrix system, converting the native protocol of the Honeywell matrix to the protocol of the connected device. Easy accessible DIP switches can be set to configure the PIT's for specific applications.

This flexibility extends itself to a full range of Honeywell Video devices, as well as other manufacturers' CCTV devices making Honeywell's VideoBloX matrix switch a truly integrated and adaptable solution to all retrofit applications and CCTV environments.

Features

Connections

The PIT slave channel is the "incoming" channel and connects the matrix CPU (RS422 Master Port) to the PIT. For larger systems using multiple PITs, the PIT slave channel would be connected to the ports on a data port expander. The PIT master channel connects directly to the device, or devices, being controlled.

Communications

The PIT slave channel, the connection to the matrix, is RS422. The PIT master channel, the connection to the connected device, is available as RS422.

Translators – PTZ

The PIT includes translators for Honeywell Video Domes, as well as many other manufacturers' products such as Pelco, Hitachi, Panasonic, Sensormatic, and others. As this list is continually changing, please contact Honeywell Video Applications Engineering for a current list of support products.

Translators – Device Control

ASCII string – text mode commands are transmitted from the PIT to the connected device.

Alarm Concentrator

The PIT includes an I2C connector for various communications to I2C devices—either alarm inputs or control outputs. This provides the capability to remotely install alarm devices and connect to the Honeywell matrix switch via the PIT over RS422 communication.



HVBPIT44

Protocol Interface Translator

www.honeywellvideo.com

SPECIFICATIONS

Technical	
Power requirements:	10-28V dc or 9-20V ac; 3VA without external load 500mA Fuse
6 to 20VAC or 8 to 28 VDC (external):	Can be internally through Data Port Expander
Slave Port Baud Rate:	9600 baud to 115.2KB
Master Port Baud Rate:	1200 Baud to 57.6KB
Connector:	RS422 Female slave channel; RS422 Female master channel
DIP Switches:	Set to change firmware settings
Alarm Concentrator:	Port 12C – RJ45 jack
Operating Temperature:	-10° to 50° C
Storage Temperature:	-20° to 65° C
Humidity:	0 to 95% non-condensing
Protocol Translators:	Contact Honeywell Video application engineering
Mechanical:	
Dimensions:	74mm (W) X 31.2 mm (H) X 190.9mm (D)
Weight:	390g
Finish:	Brushed stainless steel
Environmental:	
Operating Temperature:	-10 to +50 deg C
Storage Temperature:	-20 to +65 deg C
Humidity:	0 to 95% RH (non-condensing)
Slave Communications Port:	
Baud Rate:	9600 Baud, 19.2 KBaud, 57.6 Kbaud or 115.2 Kbaud
Addressing Range:	Broadcast or 1 to 255
Protocol:	BossWare
Electrical:	RS422, can be wired for RS485
Master Communications Port:	
Baud Rate:	From 1200 Baud to 57.6 Kbaud, dependent on required translation type
Electrical:	RS422, can be wired for RS485
Connector Type:	RS422 D9 Female
	Power 2.0mm DC plug
	I2C 6 position RJ45 (4 fitted)

Ordering:	
HVBPI44-US:	Protocol Interface Translator RS422 to RS422, power supply and line cord (US)

Note: Honeywell reserves the right, without notification, to make changes in product design or specifications. Replace –US with following for respective power supply and line cord; –UK for United Kingdom; –EU for European Union; –AU for Australia

Honeywell Security

Honeywell Video Systems
2700 Blankenbaker Parkway
Louisville, KY 40299
1.800.796.CCTV
www.honeywell.com

HV05138
L/HVBPI44/D
August 2005
©2005 Honeywell International, Inc.