



UTP Transmission Multi-Channel Active Receiver Hubs

Overview

GE's Multi-channel Active Video Receivers feature advanced innovations including Automatic Video Compression (AVC) technology are now IFS. These multi-channel receivers provide efficient, high-density installation of multiple UTP pairs and/or cables and convert back to coax at the head-end.

These receivers come equipped with a built-in, state-of-the-art microprocessor controlled analog circuit. Continuously analyzing the incoming video signal on each channel, this circuit automatically compensates for cable attenuation independent of the video signal for superior video quality. In addition, this new technology maximizes video response and eliminates in-field adjustments.

These Multi-channel Receivers also offer ground loop isolation, built-in surge protection and 70db noise immunity to reduce the possibility of crosstalk when used with multi-pair cabling. For flexibility and ease of installation, the UTP connection is supported by detachable terminal blocks or included EIA/TIA 568B compliant RJ-45 adapters.

VTP-AR4 Series

- Transmission distances of up to 2,000 feet can be achieved when used in combination with the any IFS VTP-B Series UTP Passive Video Baluns.
- Transmission distances of up to 4,000 feet can be achieved when used in combination with the IFS GEC-1AVT Active Video Transmitter.

VTP-AR6 Series

- Transmission distances of up to 3,500 feet can be achieved when used in combination with the any IFS VTP-B Series UTP Passive Video Baluns.
- Transmission distances of up to 6,000 feet can be achieved when used in combination with the IFS GEC-1AVT Active Video Transmitter.

VTP-AR4/AR6 Series Multi-channel UTP Active Video Receivers

Standard Features

Video

- NTSC, PAL and SECAM compatible
- AVC technology for high quality video
- 70dB crosstalk and noise immunity

Design

- Plug-n-play installation
- Video presence LEDs
- Ground loop isolation and surge protection
- 1U rack mount or wall-mount configuration
- 24" coax jumper cables included (8-, 16-, 32-channel units only)

Distance

- Up to 6,000 ft. transmission with active transmitters

Warranty

- Comprehensive Lifetime Warranty



Specifications

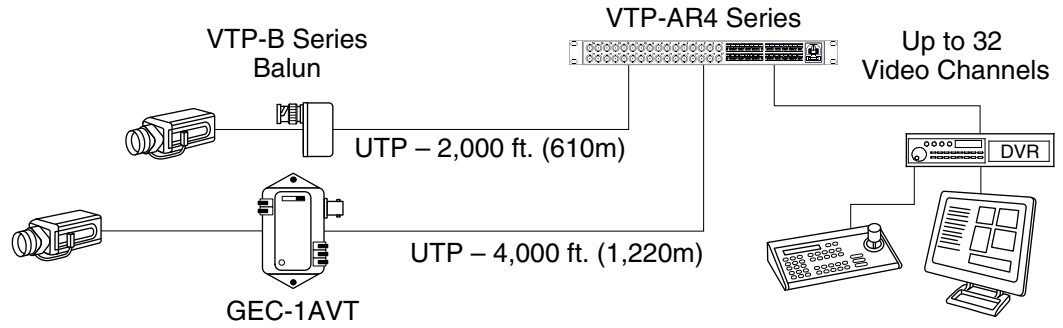
Video	
Video Format	NTSC, PAL, SECAM
Video Input	1V p-p
Frequency	20 to 6 MHz
CMRR	70 dB
Cable	
Coax	75 Ohm
Twisted Pair	100 Ohms +/- 20%, 24 AWG minimum, unshielded Category 2-6
Connectors	
Video	BNC
UTP	Terminal blocks with RJ-45 adaptor option
Indicators	
Video Presence	One green LED per channel
Power Indicator	Red LED
Electrical & Mechanical	
Power	80-240VAC (50/60Hz) (8, 16, 32-ch units only) GEC-4VARHUB-4 requires external 12VDC or 24VAC @ 400mA
Transient suppression	6000V
Enclosure	4 Channel – Extruded Aluminum; 8, 16 and 32 Channels – Aluminum sheet metal
Electrical & Mechanical	
Operating Temperature	-10°C to +50°C
Storage Temperature	-30°C to +70°C
Humidity	0 to 95%, non-condensing

UTP Active Receivers Comparison

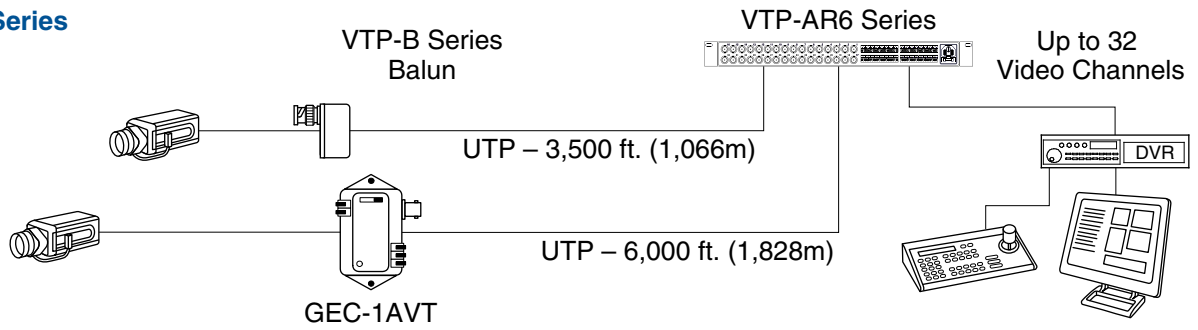
Part No.	VTP-AR4 Series				VTP-AR6 Series		
	GEC-4VARHUB-4	GEC-8VARHUB-4	GEC-16VARHUB-4	GEC-32VARHUB-4	GEC-8VARHUB-6.5	GEC-16VARHUB-6.5	GEC-32VARHUB-6.5
Description							
Number of Channels	4	8	16	32	8	16	32
Max. Range w/ Passive TX	2,000 feet	2,000 feet	2,000 feet	2,000 feet	3,500 feet	3,500 feet	3,500 feet
Max. Range w/ Active TX	4,000 feet	4,000 feet	4,000 feet	4,000 feet	6,000 feet	6,000 feet	6,000 feet
Power	Requires external 12VDC or 24VAC power supply @ 400mA	Auto-sensing internal 80-240VAC power supply	Auto-sensing internal 80-240VAC power supply	Auto-sensing internal 80-240VAC power supply	Auto-sensing internal 80-240VAC power supply	Auto-sensing internal 80-240VAC power supply	Auto-sensing internal 80-240VAC power supply
Height	1.74" (4.2 cm)	1.74" (4.2 cm)	1.74" (4.2 cm)	1.74" (4.2 cm)	1.74" (4.2 cm)	1.74" (4.2 cm)	1.74" (4.2 cm)
Width	4.97" (12.6 cm), 6.77" (17.2 cm) includes integrated mounting ears	17" (43 cm)	17" (43 cm)	17" (43 cm)	17" (43 cm)	17" (43 cm)	17" (43 cm)
Depth	1.77" (4.5 cm)	8" (203 cm)	8" (203 cm)	8" (203 cm)	8" (203 cm)	8" (203 cm)	8" (203 cm)
Weight	.31 lb (142 g)	4.5 lb (2.04 kg)	4.6 lb (2.09 kg)	5.6 lb (2.54 kg)	4.5 lb (2.04 kg)	4.6 lb (2.09 kg)	5.6 lb (2.54 kg)

Typical Applications

VTP-AR4 Series



VTP-AR6 Series



North America
 T 888-437-3287
 F 503-691-7566
 E sales@ifs.com

Asia
 T 852-2907-8108
 F 852-2142-5063

Australia and New Zealand
 T 613-9239-1200
 F 613-9239-1299

Europe
 T 32-2-725-11-20
 F 32-2-721-40-47

Latin America
 T 561-998-6100
 F 561-994-6572

interlogix.com
 utcfireandsecurity.com

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 Farmington, CT 06034-4065

Agency Compliances

- CE
- UL/cUL



Ordering Information

VTP-AR4 Series	
GEC-4VARHUB-4	4-CH UTP Active Video Receiver with (AVC) – 4,000 ft. max
GEC-8VARHUB-4	8-CH UTP Active Video Receiver hub with (AVC) – 4,000 ft. max
GEC-16VARHUB-4	16-CH UTP Active Video Receiver hub with (AVC) – 4,000 ft. max
GEC-32VARHUB-4	32-CH UTP Active Video Receiver hub with (AVC) – 4,000 ft. max

VTP-AR6 Series	
GEC-8VARHUB-6.5	8-CH UTP Active Video Receiver hub with (AVC) – 6,000 ft. max
GEC-16VARHUB-6.5	16-CH UTP Active Video Receiver hub with (AVC) – 6,000 ft. max
GEC-32VARHUB-6.5	32-CH UTP Active Video Receiver hub with (AVC) – 6,000 ft. max

Optional Accessory	
GEC-RPK	Rack panel kit supports up to three 4-channel hubs

Included Accessories

GEC-4VARHUB-4	Mounting screws
GEC-8VARHUB-4	Mounting brackets for front facing or rear facing rack installation, 8 2-ft. (60 cm) coax jumper cables Moulded IEC 7-ft. (200 cm) power cord, 2 RJ-45 adapters
GEC-16VARHUB-4	Mounting brackets for front facing or rear facing rack installation, 16 2-ft. (60 cm) coax jumper cables Moulded IEC 7-ft. (200 cm) power cord, 4 RJ-45 adapters
GEC-32VARHUB-4	Mounting brackets for front facing or rear facing rack installation, 32 2-ft. (60 cm) coax jumper cables Moulded IEC 7-ft. (200 cm) power cord, 8 RJ-45 adapters
GEC-8VARHUB-6.5	Mounting brackets for front facing or rear facing rack installation, 8 2-ft. (60 cm) coax jumper cables Moulded IEC 7-ft. (200 cm) power cord, 2 RJ-45 adapters
GEC-16VARHUB-6.5	Mounting brackets for front facing or rear facing rack installation, 16 2-ft. (60 cm) coax jumper cables Moulded IEC 7-ft. (200 cm) power cord, 4 RJ-45 adapters
GEC-32VARHUB-6.5	Mounting brackets for front facing or rear facing rack installation, 32 2-ft. (60 cm) coax jumper cables Moulded IEC 7-ft. (200 cm) power cord, 8 RJ-45 adapters

Security Products by GE are now part of the UTC Fire & Security family



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