



Part of GE Security

UTP Transmission Products Multi-Channel Receivers

Overview

The GE Security Multi-Channel Receivers are passive transceiver devices that also combine video, PTZ data and camera power over a single four-pair UTP cable to simplify CCTV installations in a structured wiring environment. They support eight or 16 cameras for up to 750 feet (228 m) and are designed to be installed at the control room.

The GEC-8PVPDTCHUB and GEC-16PVPDTCHUB also have built-in 8- and 16-channel repeatedly fully isolated class II 28/24 VAC power supply. Each camera power output, in addition to an auto-reset fuse, is equipped with a 2A glass fuse that is accessible from the front panel for extra protection.

At the camera end, a GE video balun/combiner provides video, power and data on separate outputs. The video connections are through BNC connectors and to the DVR or matrix switches. The data connections to the DVR are through RJ-45 connectors. There is a separate data connection for each camera. All equipment follows industry-standard EIA/TIA 568B pin-outs.

Standard Features (all models)

- Combines video, power and data into a single RJ-45 four-pair cable for up to 750 ft. (228m).
- Integrated Passive Transceivers
- NTSC, PAL and SECAM video formats
- Supports "up-the-coax" type signals
- No power required for video
- 60dB crosstalk and noise immunity
- Compact size
- Limited lifetime warranty
- Surge protection
- 1U high wall or rack mountable
- Includes eight, 16 or 32 coax jumper cables (excludes four-channel model)



GEC-4VDPBC



GEC-16VDPBC



GEC-8PVPDTCHUB



GEC-16PVPDTCHUB

Multi-Channel UTP Video-Power-Data Combiner-Receivers



Multi Channel UTP Video-Power-Data Combiner-Receiver Comparisons

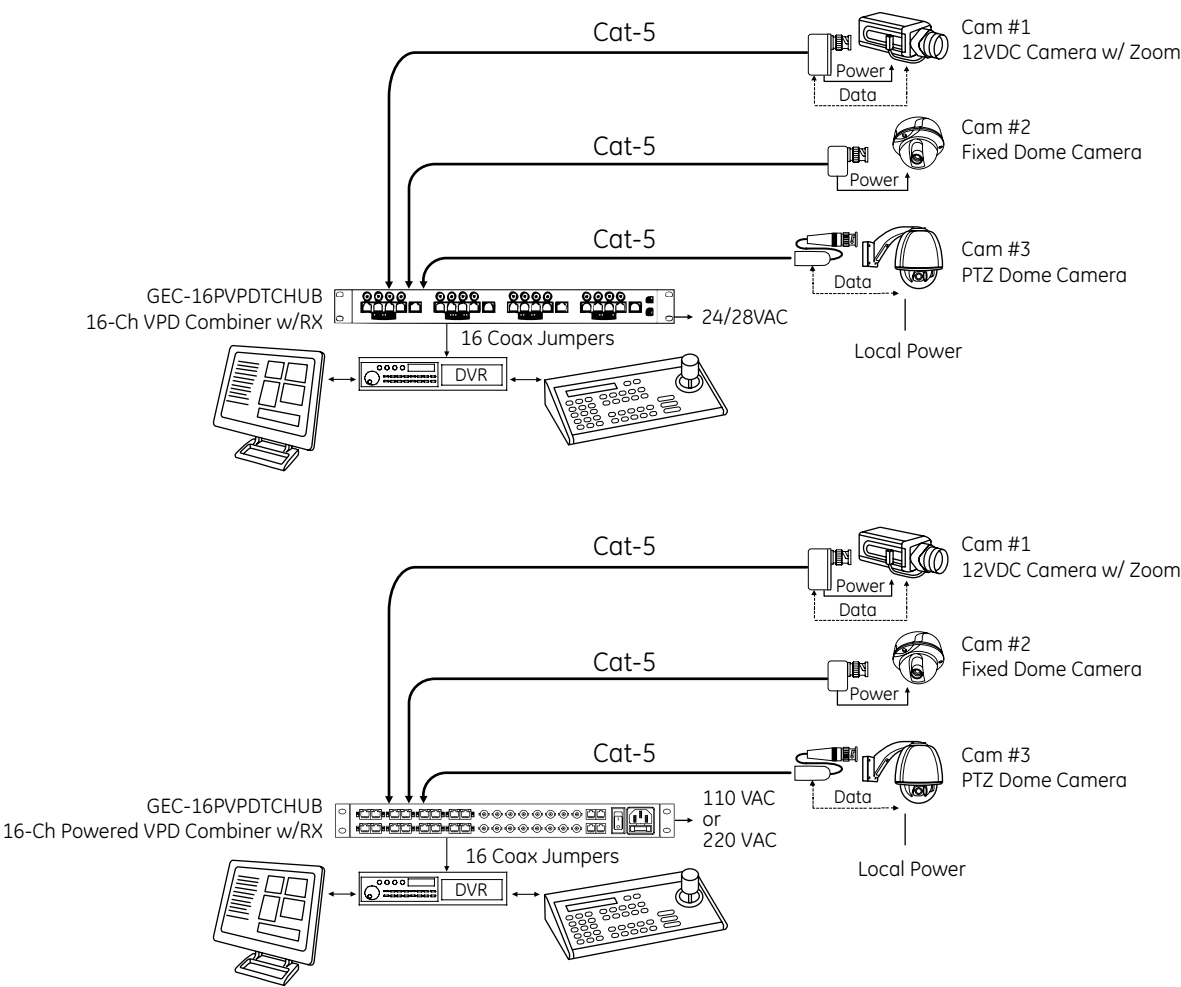
GE SKU		GEC-4VDPBC	GEC-16VDPBC	GEC-8PVPDCHUB	GEC-16PVPDCHUB
GE Description					
Applications		Security and surveillance Department store security Casino security Hospitals and airports School campuses	Security and surveillance Department store security Casino security Hospitals and airports School campuses	Security and surveillance Department store and casino security Schools, hospitals, airports Structured wiring applications	Security and surveillance Department store and casino security Schools, hospitals, airports Structured wiring applications
Combiner-Receiver	Video Format	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM
	Frequency	DC to 10 MHz	DC to 10 MHz	DC to 10 MHz	DC to 10 MHz
	Coax	75 Ohm	75 Ohm	75 Ohm	75 Ohm
	Twisted Pair	100 Ohms +/- 20%, 24 AWG minimum, unshielded Category 2-7	100 Ohms +/- 20%, 24 AWG minimum, unshielded Category 2-7	100 Ohms +/- 20%, 24 AWG minimum, unshielded Category 2-7	100 Ohms +/- 20%, 24 AWG minimum, unshielded Category 2-7
	Maximum distance	750 feet (228 m)	750 feet (228 m)	750 feet (228 m)	750 feet (228 m)
	Insertion Loss	0.3 dB	0.3 dB	0.3 dB	0.3 dB
	CMRR	60 dB	60 dB	60 dB	60 dB
	Video Connector	BNC	BNC	BNC	BNC
	UTP Connector	Terminal blocks with RJ-45 adapter option	Terminal blocks with RJ-45 adapter option	Terminal blocks with RJ-45 adapter option	Terminal blocks with RJ-45 adapter option
	# of Channels	4	16	8	16
Electrical	Input Voltage	28 V Max	28 V Max	110 VAC or 220 VAC	110 VAC or 220 VAC
	Output Voltage	28 V Max	28 V Max	24/28 VAC @ 1 A per channel, 8A aggregated	24/28 VAC @ 1 A per channel, 16A aggregated
Environmental & Physical	Dimensions	4.97 in., 6.77 in.* x (W) 1.74 in. (H), x 1.77 in. (D) (12.6 cm, 17.2 cm* x 4.2 cm x 4.5 cm)	18 in., 19.8 in.* (W) x 1.74 in. (H) x 1.77 in. (D) (45.7 cm, 50.3 cm* x 4.2 cm x 4.5 cm)	17 in. (W) x 1.74 in. (H) x 12 in. (D) (43 cm x 4.2 cm x 30.5 cm)	17 in. (W) x 1.74 in. (H) x 12 in. (D) (43 cm x 4.2 cm x 30.5 cm)
	Weight	0.54 lb (246 g)	1.75 lb (795 g)	14.7 lb (6.65 kg)	22 lb (9.98 kg)
	Material	Extruded Aluminum	Extruded Aluminum	Aluminum sheet metal	Aluminum sheet metal
	Humidity	0 to 95%, non-condensing	0 to 95%, non-condensing	0 to 95%, non-condensing	0 to 95%, non-condensing
	Operating Temperature	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
	Storage Temperature	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C

* Including integrated rackmount brackets

Agency Compliances

- CE
- UL/cUL
- RoHS
- C-Tick (models with built-in power supply only)
- WEEE

Application Diagrams



Ordering Information

GEC-4VDPBC	4-CH UTP Transceiver with VDP Combiner Hub
GEC-16VDPBC	16-CH UTP Transceiver with VDP Combiner Hub
GEC-8PVPDCHUB	8-CH Powered UTP Transceiver with VPD Combiner Hub
GEC-16PVPDCHUB	16-CH Powered UTP Transceiver with VPD Combiner Hub
GEC-RPK	Rack panel kit supports up to three 4-port Hubs



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