

VI-00103 en

IP and PoE multiplexer

- IP/PoE multiplexer for UTP
- Distances up to 100m
- PoE and PoE+
- No power supply needed



The VI-00103 Port Multiplexer enables the connection of two IP/POE devices via a single Cat5e/6/7 cable. The system consists of two devices, a port combiner and a port splitter. The switch-side VI-00103RX combines two IP/PoE signals and transmits them over only one Cat5e/6/7 cable. It has two built-in Cat5 pigtail cables for connection to the PoE switch. The VI-00103TX on the camera side separates the combined signals. For example, two IP cameras can be connected to the VI-00103TX. The VI-00103TX has two built-in LEDs that indicate the PoE status for each port.

The VI-00103 can handle PoE inputs of up to 37 W for each connected device. The two devices are compact and easy to use. They are compatible with IEEE 802.af, IEEE 802.at and most non-standard POE systems with up to 37 W for 10/100 BASE-T environments.

More information

System notes

The VI-00103 system does not have an extender function. This means that the total transmission distance including all connecting cables may be a maximum of 100m. In individual cases, depending on the cable quality, the maximum possible distance may be slightly shorter. We therefore recommend a field test.



Technical data

General properties

supply voltage	The units do not need a power supply.
MTBF	
operating temperature	-40 to +75°C
dimensions	VI-00103RX, switch side, 20 x 22 x 49 mm (H x W x L), dimensions without permanently connected RJ45 pigtails VI-00103TX, camera side, 21 x 35 x 37 cm (HxWxL)
weight	0,08kg

interfaces

copper ports	VI-00103-RX, switch side 2 x 10/100BaseT, PoE, PoE+, RJ45 plug on pigtail approx. 20cm for connection to a PoE switch 1 x RJ45 socket for track cable VI-00103-TX, camera side 1 x RJ45 socket for track cable 2 x 10/100BaseT, PoE, PoE+, RJ45 socket for camera connection
extender ports	1 x RJ45
transmission cable	Idealer Typ: Cat5e und besser Weitere Typen: Bei Verwendung von Cat3-Kabeln (Telefonkabel) oder Klingeldraht verringern sich die möglichen Distanzen deutlich. Bei Verwendung von Cat7-Kabeln kann ca. mit den gleichen Distanzen wie bei Cat5e/Cat6 gerechnet werden. Die Abschirmungen des Cat7-Kabels dürfen nicht geerdet werden.
Transmission distance	Die maximale Übertragungsdistanz bei Verwendung von Cat5e-Kabel oder besser beträgt ca. 500m Bei der Übertragung von PoE muss die Verlustleistung der Übertragungsstrecke berücksichtigt werden.



Product variants

VI-00103-RX

Unit for the switch side, cannot be ordered individually.

VI-00103-TX

Device for the camera side, cannot be ordered individually.

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