GENATA

ITOONER
Idea Transmission Navigator

PoE Synthesis Separation Converter Specifications

GNT-5313AB

- PoE combiner and separator kit
- Two cameras over one network cable
- 10/100 Mbps Ethernet

Product Features

- IEEE 802.3af/at compatibility
- Transmission: 130 m; maximum 220 m*
- 6 kV lightning / 8 kV ESD protection
- Optional waterproof covers

Product Display



Interface Overview

A - Synthesis

Combines two network links

B - Separation

Separates to two PoE cameras

Specifications

Model	GNT-5313AB
Product type	PoE Synthesis / Separation Converter
Function	Two PoE cameras over one network cable
Components	A: combiner; B: separator
Ethernet data rate	10/100 Mbps
PoE connections	2 camera connections
PoE standards	IEEE 802.3af / 802.3at
Network standards	IEEE 802.3i / IEEE 802.3u
Transmission distance*	130 m; maximum 220 m
Maximum input voltage	57 V DC
Total power rating	60 W at 48 V (manufacturer rating)
PoE pin assignment	1/2 (+52 V), 3/6 (GND)
Shared cable wiring	8 conductors, T568B
Camera cable wiring	4 conductors: pins 1, 2, 3, 6
Lightning protection	6 kV, IEC 61000-4-5
ESD protection	8 kV, IEC 61000-4-2
Module A dimensions	180 x 20 mm (manufacturer listing)
Module B dimensions	42 x 38 x 15 mm
Weight	A: 0.05 kg; B: 0.05 kg
Operating temperature	-30 to +60 °C
Storage temperature	-40 to +70 °C
Operating humidity	10-90%, non-condensing
Storage humidity	5-90%, non-condensing
Waterproof covers	GNT-5313Cover (optional)
Certifications	CE / FCC / RoHS 2.0

* Maximum distance depends on cable, PoE source and camera load.

Source: ITOONER manufacturer specifications

* Specifications subject to change without notice.