

NDV5/ND5V



Digital video + Transceiver Datos y Contacto

NDV5

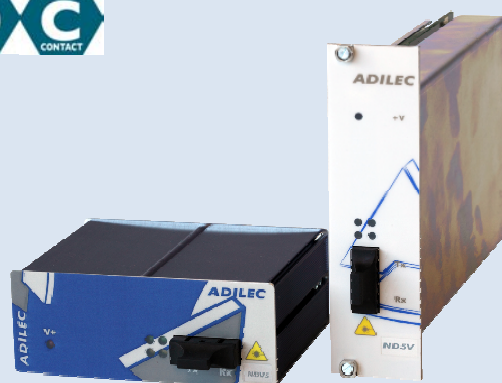
TX Video + Data + Contact

ND5V

RX Video + Data + Contact

1 & 2 Optic Fibers

(-20° a 70°C) Industrial Range



- *Digital video transmitter and receiver + Data & Contact transceiver for links point to point over optic, up 6 Km for MM Multimode and 50 Km for SM Singlemode.*
- *Power supply: 10 to 24 Vac/Vcc.*
- *Transmission over 1 or 2 Fibers.*
- *Mount formats: Standalone/ DIN Rail & Rack (Pawal)*
- *Industrial temperature range .Design and mechanical features for outdoor applications.*

NDV5/ND5V devices allow links point to point for video transmission digital + Data and Contact Transceiver over 1 or 2 optic fibers up 50 Kms depending on model. Provides a communication channel compatible with standard EIA/TIA/RS-232,422 & 485. Isolated contact for alarm mode on receiver when communication or video signal is lost. Frontal Led signal for supply current, contact, transmission and links verification. Plug and Play design.

Digital video transmission allows cover longer distances with high image quality.

Two mechanical solutions: Rack for Chassis of 19" 3U (PAWAL) and Standalone/ DIN Rail.

Transmitter	Receiver	Wavelength	Connector	Fiber	Máx. loss ¹
NDV512N11 NDV512N16	ND5V12N11 ND5V12N16	1310 nm 2 x MM	SC-PC	(62,5/125 o 50/125)	20dB (6 km)
NDV515N11 NDV515N16	ND5V16N11 ND5V16N16	1310/1550 nm 1 x MM	SC-PC	(62,5/125 o 50/125)	20dB (6 km)
NDV512M11 NDV512M16	ND5V12M11 ND5V12M16	1310 nm 2 x SM	SC-PC	(9/125)	30dB (50 km)
NDV515M11 NDV515M16	ND5V16M11 ND5V16M16	1310/1550 nm 1 x SM	SC-PC	(9/125)	30dB (50 km)

11 = Rack (Pawal) 16 = Standalone/DIN Rail.

(1) Attenuations: 1dB Km at 1310nm for 62.5/125. For 9/125 0.4dB/km at 1310nm.

NDV5/ND5V

Technical specifications

Video	
Input/Output impedance	75 Ω
Input/Output voltage	1,2 Vppmax
Video connector	BNC
Bandwith	10 Hz – 6 MHz
SNR	> 60 dB
Sync error	< 5.0 %
Differential gain	< 2.5 %
Differential phase	< 2°
C/L Gain	< 5 %
Communications	
Data format selectable	RS232/422/485
Data rate	0 to 250 kbps
Data connector	RJ45
Contact	
Input	Dry contact
Max. output voltage	250 Vac / 350Vdc
Output current	25 mA
General	
Power consumption NDV5	125 mA / 12 Vcc
Power consumption ND5V	130 mA / 12 Vcc
Power system	PAWAL o 12-24 Vcc \pm 15%
MTBF	100.000 hours
Dimensions ND5V12x11 (rack)	35.5x129x165 mm Sub-chasis 7TE,3U
Weight	470 gr
Dimensions ND5V12x16 (standalone/carril DIN)	128x39x164
Weight	580 gr
Operating temperature	
Storage temperature	-20 a 70 °C
Relative humidity	95% without condensation

