Features

- Single-channel video transmitters and receivers
- 9-bit uncompressed digital video
- High-quality video ≥63dBw SNR
- Compatible with NTSC and PAL standards
- Standalone and rack-mount versions
- Network Management System (NMS) compatible







9111D Series

1-channel video

Description

The Optelecom® 9111D series models transport one high quality video over one optical fiber. They provide digital quality video transmission in simple, easy-to-use packages. The rack-mount versions can support up to 54 channels in a 4 RU high, 19" rack space.

Uncompressed 9-bit digitising, oversampling, and digital filtering ensure a very high transmission performance, exceeding the requirements of the EIA RS-250C short haul specification.

The wide operating temperature range of these units makes the 9111D series well-suited for environmentally harsh applications such as traffic monitoring, video surveillance in city centers, and federal and critical infrastructures.

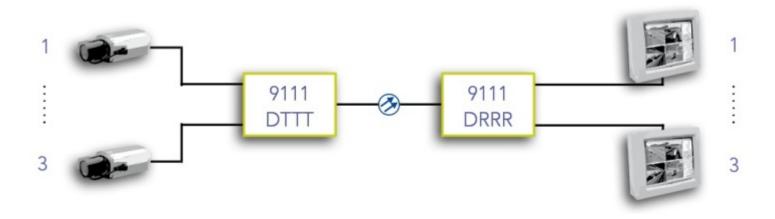
The 9111D series comes as a rack-mount version, suitable for a 9002 or 9008 power supply cabinet, or as a standalone unit. The 9111D series modules are managed with the Optelecom® Network Management System (NMS).

To create a standalone version of the 9111D rack-mount card, use the 9003-2 mini chassis.



Technical Specifications 9111D Series





Power Requirements	
9111DT	
Voltage	6VDC
Current	200mA
9111DTTT	
Voltage	6VDC
Current	500mA
9111DR	
Voltage	6VDC
Current	300mA
9111DRRR	
Voltage	6VDC
Current	800mA
9113DT	
Voltage	8-15VDC
Current	110mA at 12VDC
9114DR	
Voltage	8-15VDC
Current	150mA at 12VDC

Technical Specifications9111D Series

Environmental		
Operating temperature	-40°C to +74°C (-40°F to +165°F)	
Storage temperature	-55°C to +85°C (-67°F to +185°F)	
Relative humidity	<95% with no condensation	

Mechanical	
9111DT, 9111DTTT, 9111DR, 9111DRRR	
Housing	1-slot card, 9000 series chassis
Dimensions (h x w x d)	154.9 x 20.3 x 218.4mm (6.1 x 0.8 x 8.6in)
Weight	136g (4.79oz)
9113DT	
Housing	Miniature standalone
Dimensions (h x w x d)	19.0 x 19.0 x 121.9mm (0.75 x 0.75 x 4.8in)
Weight	90.7g (3.18oz)
9114DR	
Housing	Standalone
Dimensions (h x w x d)	25.4 x 68.6 x 109.2mm (1.0 x 2.7 x 4.3in)
Weight	136g (4.79oz)

Optical					
	9111DT-L 9111DR-L	9111DT-LD 9111DR-L	9111DTTT-LD 9111DRRR-L	9113DT-LD 9111DR-L	9113DT-LD 9114DR-L
Fiber type	MM (62.5)	SM (09)	SM (09)	SM (09)	SM (09)
Output wavelength	1310nm	1310nm	1310nm	1310nm	1310nm
Output power	-17dBm	-7dBm	-7dBm	-7dBm	-7dBm
Input sensitivity	-29dBm	-30dBm	-30dBm	-30 dBm	-30dBm
System link budget	12dB ¹	23dB	23dB	23dB	23dB
Fiber length (range)2	5km ²	57km	57km	57km	57km
Connector type	ST (others optional)	ST (others optional)	ST (others optional)	ST (others optional)	ST (others optional)

 $^{^{1}}$ For 50/125 μ m fiber, subtract 4dB.

²Range may be limited by modal and chromatic dispersion, fibre quality, and fiber bandwidth.

Ordering information			
Models	Description	Fiber type	
9111DT-L-ST	9-bit digital video transmitter	1xMM	
9111DTTT-L-ST	Triple 9-bit digital video transmitter	3xMM	
9114DR-LM-ST	Compact digital video receiver	1×MM	
9111DRRR-L-ST	Triple 9-bit digital video receiver	3xMM, 3xSM	
9111DT-LD-ST	9-bit digital video transmitter	1xSM	
9111DTTT-LD-ST	Triple 9-bit digital video transmitter	3xSM	
9113DT-LD-ST	Mini digital video transmitter	1xSM	
9114DR-L-ST	Compact digital video receiver	1xSM	





