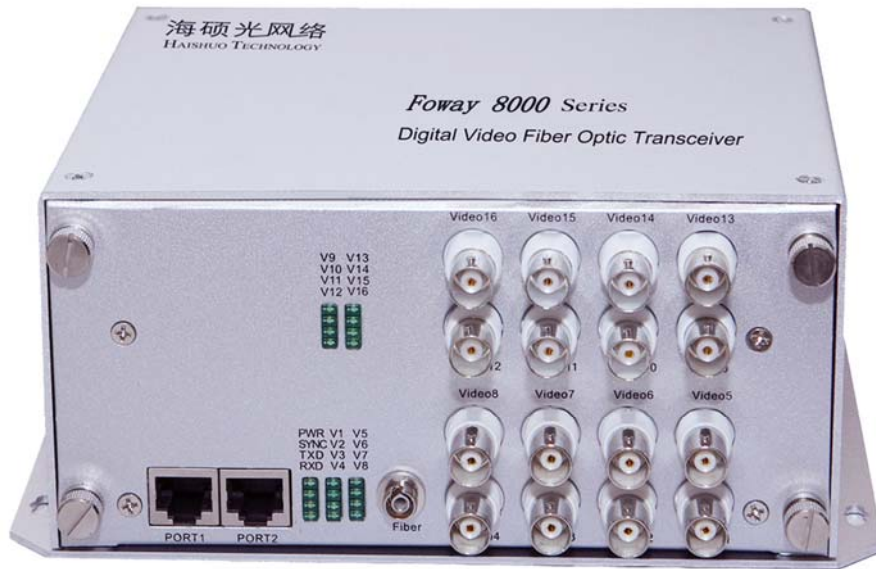


**Ficom FOWAY8016/8024/8032//8040/8048/8056/8064 series digital  
non-condensing video optical transceivers**



16-channel video



64-channel video

**Overview:**

Multi-channel digital video optical transceiver, can transmit multi-channel high quality video、multi-channel audio or multi-channel bi-directional audio、multi-channel positive/reverse/bi-directional Asynchronous data in one fiber.

It adopts full digital non-condensing techniques, and supports high-resolution movement and still picture-undistorted transmission.

**Address:** 6th Floor, 12th Building, Wangtang Industrial Zone, Xingao Road, Xili, Nanshan District, Shenzhen  
**Tel:** 86 755-8312-8820 **Fax:** 86 755-8315-1488 755-8312-8484

**Email:** [sale1@haishuo.com](mailto:sale1@haishuo.com) [may\\_haishuo@yahoo.com](mailto:may_haishuo@yahoo.com) **Web:** [www.haishuo.com](http://www.haishuo.com)

It is now widely used in security monitoring and control system、highway、Traffic Control  
Photographic System、automation and intelligent residence.

**Character:**

Industrial-level design with SMT techniques

Full digital transmission in fiber, multi-service flexible configuration on the same platform

Supply desktop and integrated card type

Based on large scale integrated circuit

Transmission in single-fiber, dual-fiber is optional

Fully compatible with PAL/NTSC/SECAM

Support asynchronous data (positive/reverse), transmission rate is up to 115.200Kbps

Support RS232、RS422、RS485 or Manchester code

**Technical specification****Fiber port**

Port	FC/SC/ST optional
Wavelength	Single-mode 1310nm/1550nm
Multi-mode	850nm/1310nm
Transmission power	≥-9dBm
Receiving sensitivity	>-34dBm(bit error rate<10 <sup>-11</sup> )
Transmission distance	Single-mode 20/40/60/80/100/120Km
Multi-mode	2Km

**Video**

Signal type	PAL/NTSC/SECAM
Nominal input/output level	1Vp-p
Nominal input/output impedance	75Ω
Bandwidth per channel	6.5 MHz
Sample frequency	13.5MHz
Quantization	8bit
Connector	BNC interface

**Audio**

Bandwidth per channel	20Hz~20K Hz
Sample frequency	48K Hz
Quantization	24bit
THD (Total Harmonic Distortion)	0.1% (typical value)
Audio connector	RJ45 interface

**Asynchronous Data**

Connector	RS232/RS485/RS422/ Manchester code
Working mode	Full/Half Duplex
Data rate	115.200Kbps

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Bit error rate <math><1\times 10^{-9}</math>  
Data connector RJ45 interface

**Ethernet**

Standard IEEE802.3, IEEE802.3u  
Working mode 10/100M adaptable, Full/Half Duplex  
Connector RJ45 interface

**Switch value**

Number of channels 1 channel  
Working mode set open/shorted circuit alarm  
Connector RJ45 interface

**Operating environment**

Power supply AC180V~240V; DC-48V; DC+24V  
Operating temperature 0°C-50°C  
Storage temperature -40°C-+70°C  
Relative humidity 95%

**Dimension**

440mm×220mm×176mm

**Order information**

Type	Function	Specification
FOWAY8016T/R-S20F	16V↑	16-channel video 20 kilometers FC
FOWAY8016T/R-RD1-S20F	16V↑+1D↓	16-channel video+1-channel reverse data 20 kilometers FC
FOWAY8016T/R-BD1-S20F	16V↑+1D↑↓	16-channel video+1-channel bi-directional data 20 kilometers FC
FOWAY8016T/R-BA1BD3-S20F	16V↑+1A↑↓+3D↑↓	16-channel video+1-channel bi-directional audio+3-channel bi-directional data 20 kilometers FC
FOWAY8024T/R-S20F	24V↑	24-channel video 20 kilometers FC
FOWAY8024T/R-RD1-S20F	24V↑+1D↓	24-channel video +1-channel reverse data 20 kilometers FC
FOWAY8032T/R-S20F	32V↑	32-channel video 20 kilometers FC
FOWAY8032T/R-RD1-S20F	32V↑+1D↓	32-channel video +1-channel reverse data 20 kilometers FC
FOWAY8064T/R-S20F	64V↑	64-channel video 20 kilometers FC
FOWAY8064T/R-RD1-S20F	64V↑+1D↓	64-channel video +1-channel reverse data 20 kilometers FC