

M216 multiplexer



Detailed Product Description

M216 multiplexer has 16 input and 2 groups different output. It supports H.264/MPEG-2 formats.

M216 multiplexer is Communicates fourth generation of embedded product which can multiplex 16 SPTS or MPTS into one MPTS with ASI output and optional telecom output interfaces DS3/E3.

M216 input bit rate 160M, 160 PID, output bit rate 180Mbps in maximum, 160 PID. It supports H.264/MPEG-2 TS input or output.

Baseband signal and additional data multiplexing accords with the ISO/IEC-13818 standard. The output interface of transmission multiplexer is ASI interface with DVB standard. Supporting the TCP / IP protocol, using RJ45 Ethernet interface.

Main Features

- Multiplexing SPTS or MPTS into one MPTS (MPTS can be selected in whole or in part)
- Optional telecom output interfaces DS3/E3
- Multiplexing of the elementary stream and manual reconfiguration services. Two different elementary streams can be combined into a new service. The program with multi-audio can be decomposed into video service and audio broadcast. Data elements and video /audio program can be combined into application mode of TV and data interchange.
- Supporting random data insertion and IP data input supporting MPEG Data Piping protocol
- PSI/SI information analysis and editing function, input stream error warning.
- Recomposing program PID accurately examining the actual input bit rate of each PID.
- Transmitting private PID Updating STB with STB-Loader in the net.
- Choosing whether to send any table of PSI/SI information.
- Buffer designing output, supporting bandwidth protection
- Low delay, the delay is less than 100ms for MPEG-2 program.
- PCR adjustment.
- Real-time monitor of every input status, supporting remote update, powerful and friendly human-machine control and monitor interface.
- Software Update: Flash hardware, RS-232 Ethernet TCP/IP
- Local monitor buttons and LCD display screen;
- Remote monitor Ethernet TCP/IP SNMP

Interface Description as follows

1. ASI input port channel 1to channel 16,input DVB SPTS or MPTS,75ΩBNC
2. ASI output 1, 75ΩBNC linker
3. ASI output 2, 75ΩBNC linker
4. Mirror output of ASI output2
5. Mirror output of ASI output1
6. RJ45 Ethernet interface,to connect the PC of network administrator or to transfer the IP transition stream
7. DS3 output,75ΩBNC,match selected.
8. RS232 interface, used for local loading, upgrading and testing of software
9. Power switch.
- 10.220V/50Hz AC Power Jack.
- 11.GND

General Features

1U,4Kg

430mm(W) 44mm(H) 450mm(D);

AC220V±10%,50Hz,30W

Technique Parameters

Signal Source Coding Format		Support H.264/MPEG-2/AVS TS stream input or output
Ethernet Interface		RJ45
ASI Input Interface Parameters	Input Interface	16 ASI DVB standard ASI interface,BNC
	Input Data Rate	160Mbps and 160 PID for each input
	Input Range	200~880 mV
	Impedance of Input Interface	75Ω
	Package Length of Input	188 or 204 bytes
ASI output Interface Parameters	Output Interface	4 ASI two mirror outputs for two ASI outputs which produce two different streams
	Output Data Rate	Max Effective Data Rate180Mbps with 160 PID
	Impedance of output Interface	75Ω

	Package Length of output	188 or 204 bytes
	Output Range	800±80 mV
	Rising Time	≤1200ps
	Descending Time	≤1200ps
	Fixing Jitter	≤10
PCR	PCR Jitter	-500~500ns
	PCR Space Between	0~40ms
	PCR Precision	<100 ns
PTS	PTS/PCR Delay	-500~1000 ms
	PTS Space Between	0~700 ms