H5002

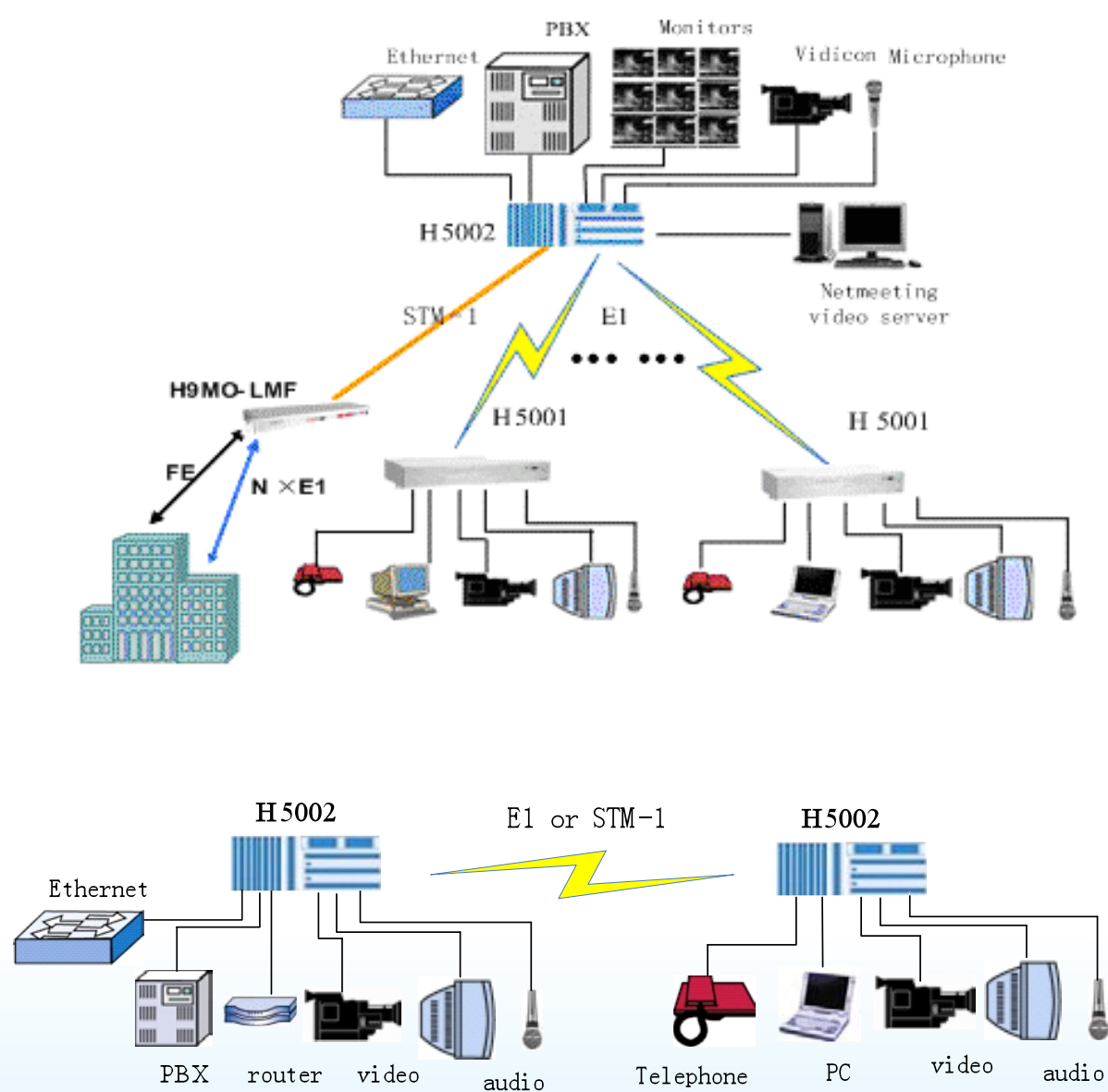## Multi-Functional Integrated Service Multiplexer

Overview

Huahuan provides all types of PCM multiplexers, from high-end to low-end, from standard size to miniaturized, from rack mount to portable. All multiplexers offer variable service interfaces, flexible system configuration, high reliability and cost competitiveness. H5002 multiplexer is a key member of PCM multiplexer family.

H5002 is a powerful multi-service access platform that combines video, audio, data service and SDH optical transmission together. H5002 is an aggregation device that can up to 3 insert different service cards, which can be E1, MDX, DATA, CHU, VIDEO, PWR card, etc,

Features

1. Various service interfaces, including: STM-1 optical interface, E1, 10/100Base-Tx, V.35, Audio and Video, 64Kbps, V.35(N*64K), RS232/RS485, FXO/FXS, magnet telephone, hot line telephone, E&M interface etc.

2. Flexible configuration and setup, plug and play.

3. The bandwidth of data and video can be widened smoothly.

4. Unified H7GMSW network management platform, managing and configuring easily. With perfect supervision and test function, remote-end manageable.

5. Flexible video configuration, MPEGII and MPEGIV mode can be configured by software.

6. As MPEGII mode, transport bandwidth is 1~4 ports 2M channel. One of the channels can be divided into framed and it can be combined with the voice into one 2M channel. The transport rate is adjustable on the basis of N*64K (N=1~31).

7. As MPEGIV mode, audio can be transported with voice and data in one 2M channel.

8. For every service direction, H5002 can provide 2 ports Ethernet interface with different priority. It uses the high priority to transport image and uses the low PRI for data.

9. Max capacity of H5002 is 64*2M, max voice capacity 30 channels.

10. Powerful cross connection capacity 2048×2048 (64kbps level) of H5002. H5002 can be configured as full 64×E1 DXC.

11. The power supply card and cross connection card support 1+1 redundancy with high reliability. All the cards support hot-swapping.

❯ Typical application

Technical Specifications

Item		Description
H5000 High-end Integrated Service Multiplexer		19 inch standard rack with 3 universal cards
	STM-1 Optical card	Support 1 STM-1 optical port, 4 E1(75Ω) ports, 2 FE ports
Module type	PWR card RPWR	Support 1+1 dual protection,DC-48V input Ring voltage 75V, 25Hz, provide +5V and -5V for system
	MDX card	Provide 64*E1 cross connection ability Main control and monitoring function With 8*E1 interface (75Ω or 120Ω)
	E1 card	With 4×E1 or 8×E1 interface for more E1 applications
	CHU card	Provide 10 ports voice channels, support FXO/FXS, magnet phone, hotline phone, E&M, 64Kbps data, RS232 data, RS485 data, V35 data etc.
	Data card	Support 10/100Base-T module and V35 data module
	VIDEO card	With 4×E1 interface, support MPEG-2 or MPEG-4 coding and decoding
NMS interface	Network management system interface	RS232 or RS485 Ethernet
STM-1 Optical Interface	Bit rate	155520kbit/s ± 4.6ppm
	NRZ Line code	Scrambled NRZ
	Work wavelength	default: 1310nm, option: 1550nm
	Connector	SC/FC
Video	Video rate	128K-8M bps
	Video output mode	Fixed rate or variable rate
	PAL/NTSC	both supports
	PAL mode	720*576, 704*576, 640*576, 480*576, 352*576, 352*288, 176*144
	NISC mode	720*480, 704*480, 640*480, 480*480, 352*240, 352*480, 176*144
	Video output mode	TS/PS
	Code	ISO/IEC-14496-2 MPEG-4 SP@L1, L2 and L3 ISO/IEC-13818-2 MPEG-2 MP@ML
Audio	Audio sampling frequency	8K, 32K, 44.1K, 48KHz
	Coding mode	MPEG1 Audio Layer I/II, G.729, G.711, MP3
	Rate	8K,32K, 64K, 192K, 224K, 384K bps
	Audio mode	Stereo, Joint, Dual, Mono
Power supply consumption	H5002	DC-48V <40W (full loaded)
Dimension	H5002	W×H×D (mm) 440×130×280