



VISIONETICS

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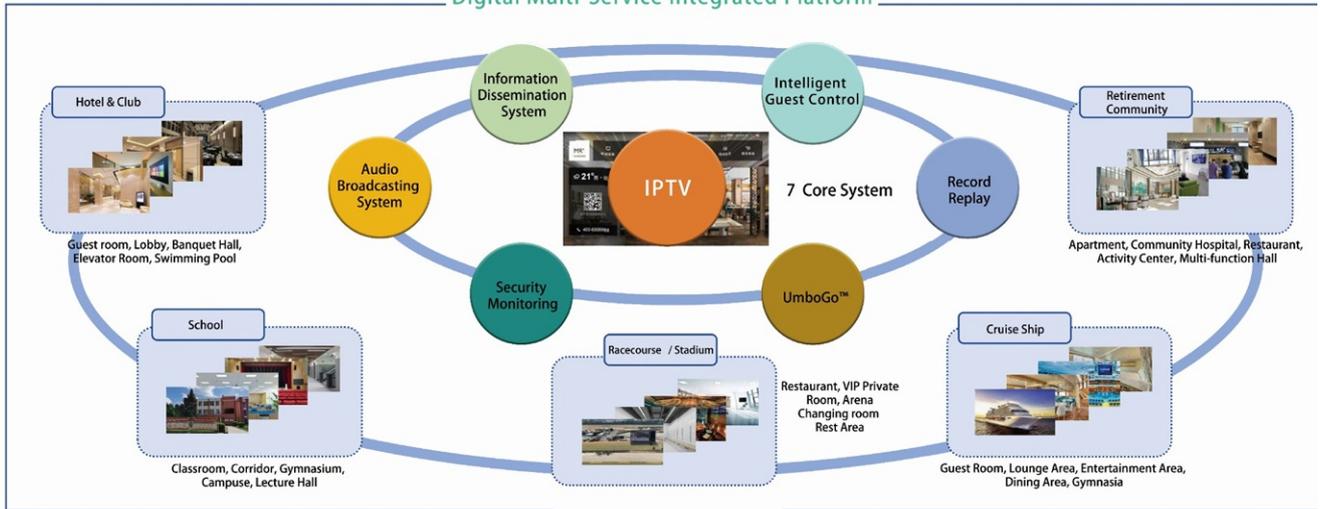
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Catalog 2026

IPTV

Delivery, Distribution, and Content Management

Digital Multi-Service Integrated Platform



Four Major Value-Added Features

Ultra-low latency



- A comprehensive end-to-end solution achieving millisecond-grade latency
- Application Scenarios: Education, Healthcare, Sports Events

Mini APP



- Intelligent Guest Control, book anywhere via multiple channels, syncs with Hotel PMS
- Application Scenarios: Real-Time Reservation Alerts, Contactless check-in, mobile ordering

Cloud Management



- Full-Stack Equipment Surveillance, Remote Control & Maintenance, Real-Time Fault Notification
- Application Scenarios: Hotel, School, Senior Live Communities

AI Content Filtering



- Detect inappropriate images instantly with deep learning
- Application Scenarios: School, Public Screen, Enterprise/Government platform



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MS-2000

IPTV Media Distribution and User Management Server



The MS-2000 IPTV processing system is an integrated platform for media distribution and user management. This platform supports visual editing of terminal UI interfaces, live streaming, video on demand, and information display features. It is compatible with multiple IP protocols for input and output and enables emergency push notifications for multimedia messages, including text, images, and videos.

The system includes intelligent guest control capabilities, terminal permission management, and program administration features, providing a comprehensive solution for easy IPTV system deployment. It is suitable for a wide range of applications and use cases, such as hotels, hostels, schools, hospitals, tourism, airports, and corporate environments.

Key Features

- ✔ Supports up to 100 live TV channels, 4,000 hours of VOD (optional), and 1,000 end users
- ✔ Supports visual editing of terminal display interfaces, with multiple built-in UI templates and one-click deployment
- ✔ Supports HD live TV, fast channel switching, and ultra-low latency streaming
- ✔ Supports VOD, batch video resource upload, video categorization and search, fast forward/rewind, pause, resume from breakpoints, etc.
- ✔ Supports multiple IP protocols
- ✔ Supports stream demultiplexing
- ✔ Supports emergency broadcasts, including videos, images, and auto-organized programs
- ✔ Supports group management, permissions, and program allocation and management for terminals
- ✔ Graphical interface supports multiple languages and is user-friendly
- ✔ Supports statistics and queries of user operation logs and system logs
- ✔ Terminal APK supports Android STBs, Android mobile devices, Android smart TVs, and Android OPS multimedia terminals

Technical Specifications

	Lite	Standard	Pro
CPU	Quad-core 2.0Ghz	Quad-core 3.3Ghz	Intel Xeon (6c/12t)
RAM	16GB DDR4	16GB DDR4	16GB
Storage	128GB SSD	128GB SSD + 8TB HDD (Enterprise)	256GB SSD + 8TB HDD (Enterprise)
Network Ports	6× RJ45 1Gbps	8× RJ45 1Gbps + 4× SFP 1Gbps* + 4× SFP 10Gbps* (*1 network card expandable among 3)	2× RJ45 1Gbps + 4× RJ45 1Gbps* + 4× SFP 1Gbps* + 4× SFP 10Gbps* (*1 network card expandable among 3)
USB	2× USB3.0	2× USB3.0	2× USB3.0
Input Protocols		UDP/RTSP/RTMP/HTTP/HLS/FTP	
Output Protocols		HLS/RTMP/HTTP-FLV	
Video Formats		H.264/MPEG-2 (HLS seulement)/HEVC (HLS seulement)	
Power supply	Redundant 100-240V AC, Max 60W	Redundant 100-240V AC, Max 450W	Redundant 100-240V AC, Max 800W
Dimensions	483×261×44mm	483×505×44mm	483×691×88mm
Weight	3.5kg	8.5kg	16kg



Version Informations

Features	Lite	Standard	Pro	
Maximum Terminals	200	500	1000	
Live TV Channels	30	70	100	Average bitrate per channel: 2 Mb/s
VOD Duration	×	4000h	4000h	Average media file bitrate: 2 Mb/s (storage can be expanded for higher bitrates)
Multicast	√	√	√	Program delivery with bitrate adapted to each terminal
Demultiplexing	√	√	√	MPTS support
User Management	√	√	√	User registration and permission management
Android STB APK	○	○	○	
Android Mobile APK	○	○	○	
Terminal UI Customization	○	○	○	
Ads and Emergency Alerts	×	○	○	Multimedia messages (text/images/video)

Legend: ○ Optional | √ Included | × Not supported



MS-8001

Professional IPTV Media Distribution Server

The MS-8001 IPTV processing system is a highly integrated media distribution platform. It supports visual editing of terminal UI interfaces, live streaming, video on demand, and information display features.

The platform is compatible with multiple IP protocols for input and output and allows emergency push notifications for multimedia messages (text, images, videos). It is suitable for various sectors, including hotels, hostels, schools, hospitals, airports, and enterprises.



Key Features

- ▣ Two versions available to meet different IPTV needs
- ▣ Visual editing of terminal interfaces with built-in UI templates (one-click deployment)
- ▣ HD live TV with fast channel switching and ultra-low latency streaming
- ▣ VOD features:
 - * Batch video upload
 - * Categorization and search
 - * Fast forward/rewind, pause, resume
- ▣ Multi-protocol IP support
- ▣ Stream demultiplexing
- ▣ Emergency alerts (videos, images, customized programs)
- ▣ Intuitive, multilingual interface
- ▣ Statistics and log viewing (user/system logs)
- ▣ APK compatible with:
 - * Android STBs
 - * Android mobile devices
 - * Android smart TVs
 - * Multimedia OPS terminals

Technical Specifications

	MS-8001S (Standard)	MS-8001P (Professional)
Processor	Intel Xeon (6cores/12 threads)	Intel Xeon (8cores/16 threads)
Memory	16GB	128GB
Storage	8TB (Enterprise)	16TB (2×8TB Enterprise)
Network Ports	2×RJ45 1Gbps + options* 4×RJ45 1Gbps + options* - 4×SFP 1Gbps - 4×SFP 10Gbps *1 network card expandable among 3	
Input Protocols	UDP/RTSP/RTMP/HTTP/HLS/FTP	
Output Protocols	HLS/RTMP/HTTP-FLV	
Video Formats	H.264/MPEG-2 (HLS only)/HEVC (HLS only)	
Power supply	Redundant 90-264V AC, 50-60Hz, Max 800W	
Dimensions	483×691×88mm	
Weight	16kg	



Version Informations

Features	Standard	Pro	
Maximum Terminals	1000	5000	
Live TV Channels	100	300	
VOD Duration	4000h	8000h	
Digital Rights Management (DRM)	○	○	Ensures only authorized terminals can access contents
Automatic Bitrate Adaptation	√	√	Automatically selects optimal bitrate based on user network
Multicast	√	√	Program delivery with bitrate adapted to each terminal
Demultiplexing	√	√	MPTS support
User Management	√	√	Registration and permission management
Android STB APK	○	○	
Android Mobile APK	○	○	
HTML5 Video Portal	○	○	Cross-platform browser viewing
Terminal UI Customization	○	○	
Terminal Monitoring	○	○	
Ads and Emergency Alerts	○	○	Multimedia messages (text/images/video)

Legend: ○ Optional | √ Included | × Not supported



TM-100

IPTV User Management Server

The TMS-100 is a professional IPTV user management server. As a key component of IPTV systems, it provides terminal permission control and program list management.

When used together with the MS-8001, this solution is suitable for:

- Hotels
- Schools
- Hospitals
- Airports
- Professional environments



Key Features

- ✔ Group Management: Allocation and management of program packages for terminals
- ✔ Permission Management: Advanced access control
- ✔ Multilingual Interface: Intuitive and user-friendly graphical interface
- ✔ Logging: Statistics and review of user operation and system logs

Technical Specifications

Feature	TMS-100S (Standard)	TMS-100S (Professional)
Processor	Intel Xeon (6 cores/12 threads)	Intel Xeon (6 cores/12 threads)
Memory	16GB	32GB
Storage	256GB SSD	256GB SSD
Network Ports	2×RJ45 1Gbps	2×RJ45 1Gbps
Protocols	HTTP/HTTPS	HTTP/HTTPS
Maximum Terminals	1000	5000
Power supply	Redundant 90-264V AC, 50-60Hz, Max 800W	
Dimensions	480×691×88mm	
Weight	16kg	



DIH-1000X SRT Gateway



The DIH-1000X SRT Gateway is a highly flexible solution for live video streaming across various IP networks. By converting UDP, SRT, RTP, HTTP, HTTP-HLS, RTSP, and RTMP protocols into UDP or SRT, the DIH-1000X gateway enables live video delivery to one or multiple destinations for production and distribution. It also supports user-friendly management via SNMP and HTTP web interfaces. For example, contribution streams can be converted into UDP transport streams for SRT streaming over the Internet, or receive SRT/HLS/RTMP streams from the Internet and convert them to UDP with multicast for local distribution.

Key Features

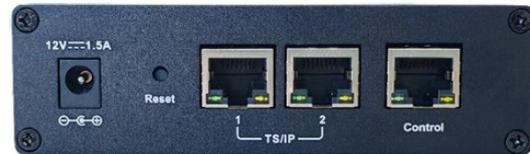
- ✓ Conversion of up to 100 channels (maximum bitrate 4 Mbps per channel)
- ✓ Real-time monitoring of incoming streams with 3-level error detection (TR101290 standard)
- ✓ PSI/SI information display
- ✓ Detailed per-service analysis:
 - * Encoding format
 - * Aspect ratio
 - * Resolution
- ✓ Remote control via HTTP/Web

Technical Specifications

Feature	Lite	Standard
NIC	RJ45 1000Mbps x6	RJ45 1000Mbps x 8 optional network cards (choose 1): 4×RJ45 1Gbps 4×SFP 1Gbps 4×SFP 10Gbps
Input Protocols	UDP-Multicast, UDP-Unicast, RTP, HTTP, HLS	
Output Protocols	UDP-Multicast, UDP-Unicast, RTP, SRT	
Conversion Capacity :	50 channels	100 channels
Control Port	1×RJ45 1000M/100M (shared with data port)	
Interface :	Web GUI HTTP	
Power supply :	100-240V AC, Max 60W	100-240V AC, Max 450W
Operating Temperature :	5°C à 45°C	
Dimensions :	483×261×44mm	483×505×44mm
Weight :	3.5kg	8.5kg



PC200 SRT Transceiver



The PC-200 SRT Transceiver is a highly flexible content transmission solution for live video streams across various IP networks. By converting between UDP and SRT protocols, the PC-200 enables live video delivery to one or multiple destinations for production and distribution. For example, contribution streams can be converted from UDP transport streams to SRT for Internet streaming, or receive SRT streams from the Internet and convert them to UDP with multicast for local distribution.

Key Features

- ✓ Bidirectional conversion between UDP and SRT
- ✓ Transmission bitrate up to 70 Mbps
- ✓ Simultaneous conversion for 8 program streams with dynamic channel allocation
- ✓ Firmware updates via web interface
- ✓ Remote control and monitoring via HTTP Web interface

Technical Specifications

Interface :	Data Ports : 2×RJ45 10/100M Base-T Control Port : 1×RJ45 10/100M Base-T
Transmission protocols :	UDP, SRT
Max Bitrate :	70 Mbps
SRT Modes :	Caller, Listener, Rendezvous
Control Interface :	Web HTTP
Firmware Updates :	Via web interface
Power supply :	DC 12V 1A
Operating Temperature :	5°C à 45°C
Dimensions :	114.5 × 118 × 33 mm
Weight :	500 g



PC300

Multi-Protocol H.264/H.265 Video Codec



The PC-300 codec combines high-performance encoding and decoding in a compact form factor. It provides:

- HDMI encoding to multiple protocols (multicast for local networks, RTMP for streaming platforms, SRT for long-distance transmission)
- Network stream decoding to HDMI output
- An ideal solution for professional applications requiring reliability and high video quality

****Applications:**** Educational/medical streaming, live conferences, entertainment/gaming, IPTV systems, video surveillance

Key Features

****Encoder****

- ❑ Compliant with H.264/H.265 (video) and MPEG1 Layer II / MPEG2-AAC (audio) standards
- ❑ 1 HDMI 1080P30 input + 1 external analog audio input
- ❑ Bitrate control: CBR / VBR / AVBR
- ❑ Supported IP protocols: UDP / RTP / RTSP / RTMP / HTTP / HLS / SRT
- ❑ Advanced customization:
 - * Service name, PIDs (PMT, video)
 - * Logo insertion, watermark, text, mosaic, timestamp
- ❑ Remote control via HTTP

****Decoder****

- ❑ Supports SD / HD / UHD (MPEG-2, H.264, H.265)
- ❑ 1 HDMI 1080P60 output + 1 analog audio output
- ❑ Supported IP protocols: UDP / RTSP / RTMP / HTTP / HLS / SRT

Rear Panels (All Options)

Encoder



Dcoder



Technical Specifications

Encoder		Decoder	
Video Input and Encoding Standard		Video Output and Encoding Standard	
Connector	1 x HDMI	Connector	1 x HDMI
Standard	H.265 Main Profile, Level 5.0 H.264 Baseline/Main/High Profile, Level 5.1	Standard	H.265, H.264
Video Resolution	1920x1080P 1920x1080I (encoding output only in 1080P) 1280x720P	Video Resolution	1920x1080P 50/60 1920x1080P 25/30 1280x720P 50/60
Frame rate	15/25/30 selectable	Frame rate	1~60
Keyframe	5~250 adjustable	Bitrate	32-20000
Bitrate control	CBR, VBR, AVBR	Color Adjustment:	Brightness, contrast, chroma, saturation
Overlay	Logo, caption, watermark, text, mosaic, OSD, timestamp	Audio Output and Encoding Standard	
Audio Input and Encoding Standard		Connectors	HDMI (integrated) x 1 ; Ligne x 1
Connectors	HDMI (integrated) x 1 ; Ligne x 1	Standard	MPEG1 Layer II, MPEG-4 AAC
Standard	MPEG1 Layer II, MPEG-4 AAC	Sampling Rate	8 KHz, 11,25 KHz, 22,5 KHz, 44,1 KHz, 48 KHz, Auto
Sampling Rate	44,1 KHz, 48 KHz, auto-select	Audio Channels	Mono/Stéréo
Bitrate	MPEG1 Layer II : 64~256 Kbps (Stereo) MPEG-4 AAC-LC : 64~256 Kbps (Stereo)	TS/IP	
TS/IP		Connector	1xRJ45, 100/1000 Base-T
Connector	1xRJ45, 100/1000 Base-T	Protocol	UDP/RTSP/RTMP/HTTP/HLS/SRTT
Protocol	UDP/RTP/RTSP/RTMP/HTTP FLV/HLS/SRT		

Encoder et Decoder

Control and Monitoring

Connector	RJ45*1, 1000M/100M Full Duplex (shared with data port)
Remote Control:	HTTP (Web GUI)
Firmware Updates	WEB HTTP
Power supply	DC 12V 1A
Operating Temperature	-20 ~ 60°C
Dimensions	114,5 x 118 x 33 mm
Weight	500 g