



Univiso UV2000 series media servers

The UV2000 series receiver server is the background receiving terminal of the 3G/4G/5G transmission system. It receives data from multiple head-end transmitters for storage or living stream output. It also supports decode output from SDI port. The UV2000 also deploys software to implement the Head-end transmitter screen preview, status monitoring, remote control, etc.

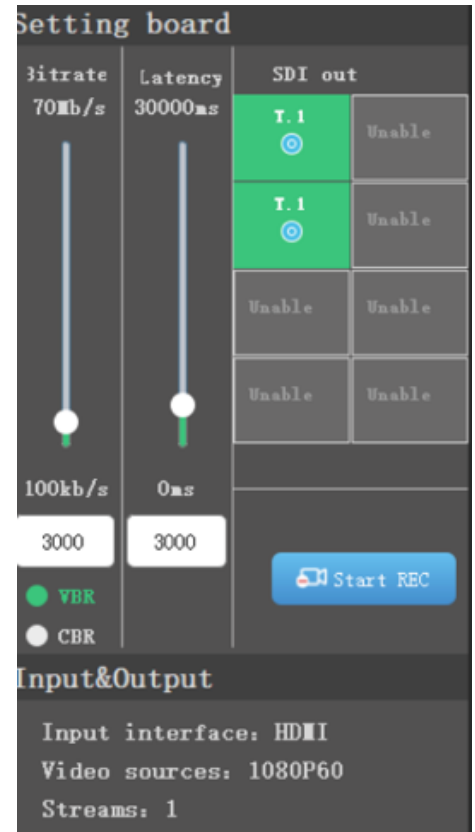
The flexible deployment of UV2000 can be realized by hot standby of network communication service, media management and distribution service division deployment, which can meet the strict requirements of system stability and performance in large-scale terminal access scenarios. At the same time, by supporting multiple ISP access, it allows different network links of the same terminal to access servers through different operators' networks, providing network link backup and load balancing mechanism.



Key features

Remote terminal management

- Provide friendly Windows App for system, programs and files management.
- Convenient control terminal switches between live broadcast, high quality delay broadcast, file transmission and other working modes, and provides default parameter for broadcast quality, delay control, etc;
- Provide the security mechanism of authorized access to the terminal, and only the authorized legitimate terminal can be allowed to access the server, delay control, etc;
- Provide live preview and live status monitoring mechanism, which can monitor live video and transmission status of terminal in real time;
- Provide high-quality delay broadcast control function, which can control the terminal to record while transmitting, and control the server to receive and output at the same time;



Communication support and management

- Provide online management function for different mobile communication

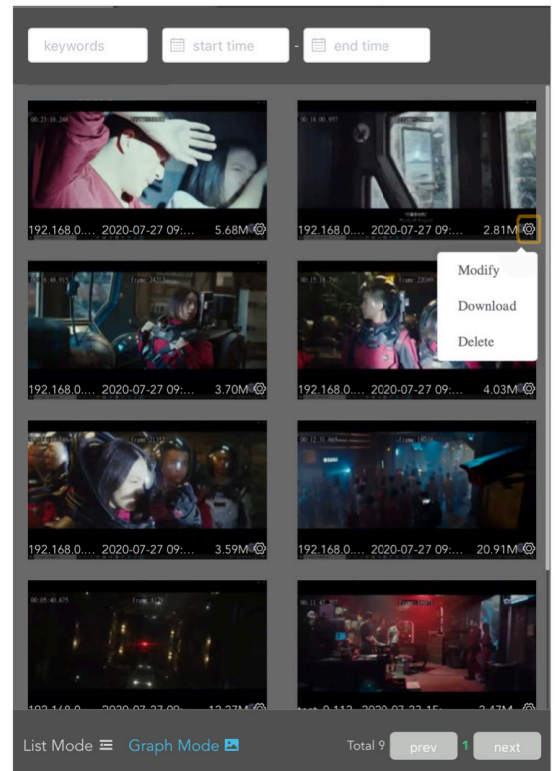


network cards of the terminal, real-time link quality monitoring and flow curve real-time monitoring;

- Different dialing and status management mechanisms can be provided according to different operator networks and sim models, delay control, etc;
- It supports the two-way VoIP call function, and multiple central terminal commanders can maintain two-way voice interaction with all online terminals.

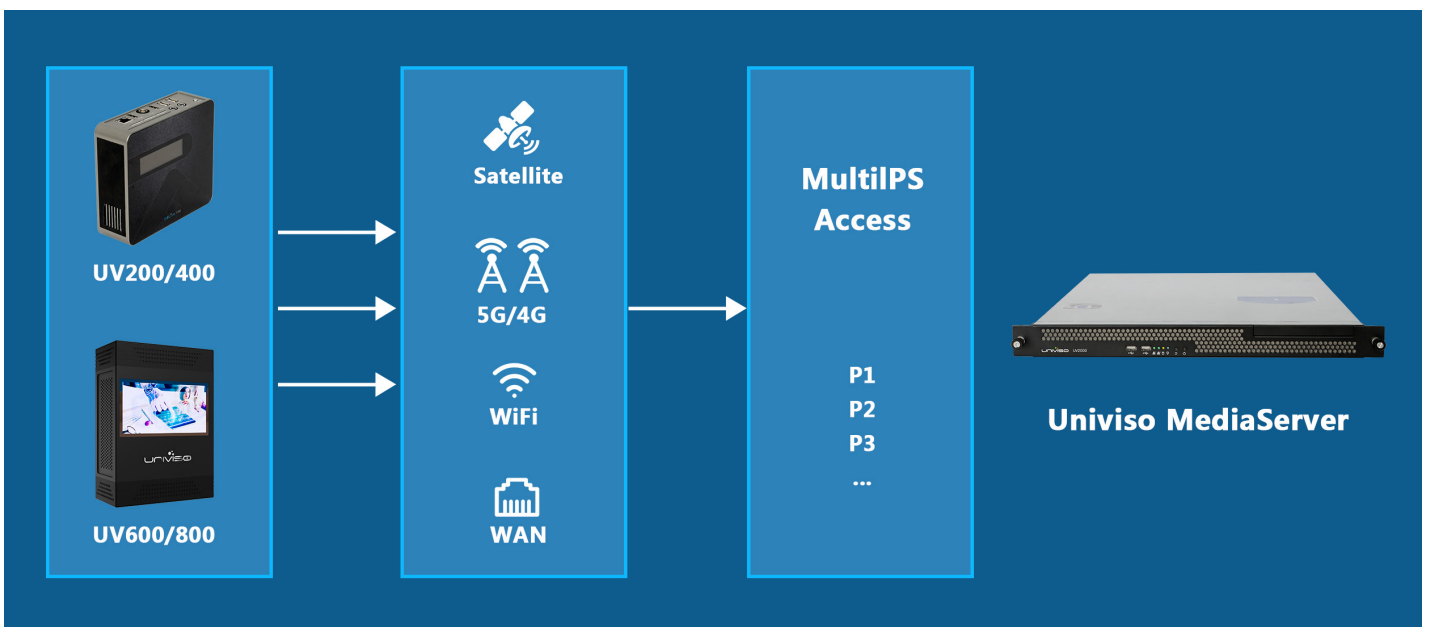
Program and document management

- The program file quality can be managed through the combination of encoding scheme and working modes selection, so as to obtain the best program quality for the terminal in different scenarios;
- supports decoding and output of specified live stream with optional output channels;
- It supports online distribution of live streaming, and can distribute streaming real-time programs through UDP-TS, RTMP, HLS and other streaming media protocols;
- The program files stored in the server can be checked, inquired and downloaded. Meanwhile, the program files can be decoded and output on the specified signal output channels.



Network deployment optimization

- Supports multi ISP access function, and set different communication links in the terminal aggregation link to access the server through different operator networks, providing reliable link backup and responsible balance mechanism;
- Supports the distributed deployment of terminal access service dual machine hot standby and decoding output service to meet the large-scale flexible deployment requirements of large-scale systems;
- The terminal can be deployed to the cloud to provide a more flexible combination of service delivery and service delivery.



Specification

Item	UV2000	UV2001	UV2004	UV2101	UV2102
Description	Stream forwarding server	Stream forwarding and one channel 3G-SDI out	Stream forwarding and four channel 3G-SDI out	Stream forwarding and one channel 4K 12G-SDI out	Stream forwarding and two channels 4k 12G-SDI out
CPU	Intel Xeon E3-1230 v6 4 Core 3.5GHz				
RAM	ECC DDR4/2400MHz 4G		ECC DDR4/2400MHz 4G*2		
Ethernet port	4*1GE				
Hard disk	SATA 2TB 7200RPS Enterprise level 3.5 inch				
Display	VGA				
interface	Front : 2*USB3.0 ; Back panel : 2*USB3.0 1*RS232				
Max. number of concurrent	32		64		
Output	-	1*3G SDI 1*HDMI	4*3G SDI	1*12G SDI 1*HDMI	2*12G SDI
IP stream	UDP-TS、RTMP、HLS				
Maximum number of distribution streams	320	640			
Max. data	1G bps				
Video code	-	HEVC(H.265)/AVC(H.264)			
SDI output	-	NTSC/PAL、720P25/30/50、 1080P25/30/50/60	NTSC/PAL、 720p50/60、	NTSC/PAL、720p50/60、 1080p25/30/50/60/25、 1080i50/60 2160P60/50/30/25	
Deployment mode	Centralized deployment	Centralized deployment, scalable distributed deployment			
management	Windows App				
network	Multiple ISP network connect , Up to 4				
Power	110V-220V AC , Redundant power supply optional				
size	433mm (W) ×450mm(L)×43.5mm(H)				

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