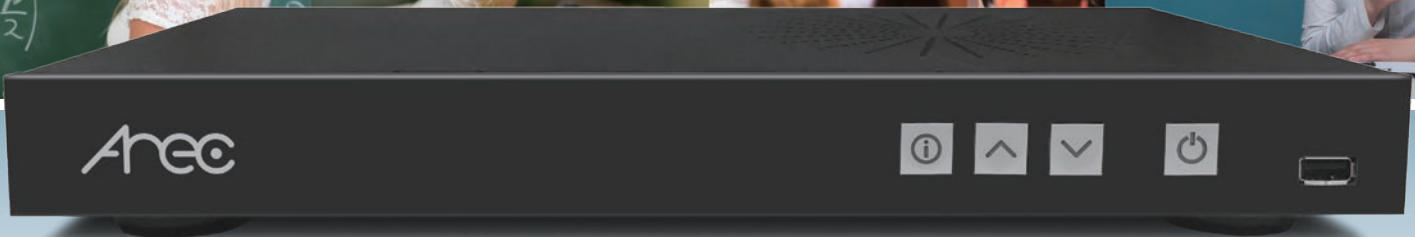




AREC DS-X01 Media Decoder

H.264 HD Decoder with HDMI Output



- ★ Allows for Selecting Video Sources from Up to 99 1080p IP streams and 2 Local HDMI/VGA Inputs, and Displays via HDMI and VGA/Line-Out Outputs
- ★ Standards-Based H.264/AVC Video Decoding and AAC Audio Decoding
- ★ Embedded, Standalone Hardware Device without a PC

Display Video Sources from Anywhere

AREC DS-X01 Media Decoder can decode IP Streaming directly, making it easy to be viewed on the local display. The IP streaming video sources can be from anywhere via an IP LAN Ethernet connection, including campus studio, real-time lecture seminar at school, live events, streaming from CDNs, video-on-demand content, IP camera viewing for insect observation or environment monitoring, and campus security...

Live Video from Campus Studio



Real-Time Lecture Seminar



Live Sports Matches



IP Camera Viewing for Insect Observation



Remote Speech



School Meeting



Digital Signage and e-Bulletin Board

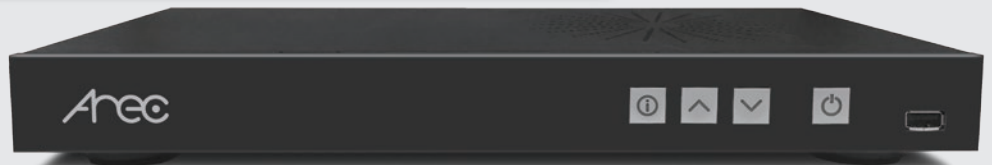


Campus Security



H.264 Streaming Media Decoder

AREC DS-X01 Media Decoder is a high-performance, embedded and standalone device, enabling to decode video and audio over a standard IP network, connect local HDMI/VGA/3.5mm Stereo inputs, and output HD video via HDMI and VGA/ Stereo Line-Out ports.



Instantly View and Display IP Streams

AREC DS-X01 can decode 1080p IP streaming inputs (up to 99 streams) via an IP LAN Ethernet connection in RTMP/ RTP/RTSP protocols. It employs standard H.264/AVC video decoding and AAC audio decoding, and outputs 1 HD video from 640x480 to 1080p60 resolution via HDMI, VGA or 3.5mm Stereo line-out interfaces.

*DS-X01 supports RTSP protocols with video only.



Local HDMI/VGA and Stereo Audio Inputs

Supporting local HDMI, VGA and 3.5mm Stereo line-in inputs, AREC DS-X01 allows you to connect a local presentation source easily, including from a laptop, desk computer, media player, document camera, or other devices.



Simple-to-Use & Easy Integration

DS-X01 can be simply connected via a HDMI or VGA cable to any monitor or screen. You can use the front buttons of machine, on-screen graphical user interface, and external control device to switch output source freely. With available APIs, DS-X01 can be accessed seamlessly for third party integration.

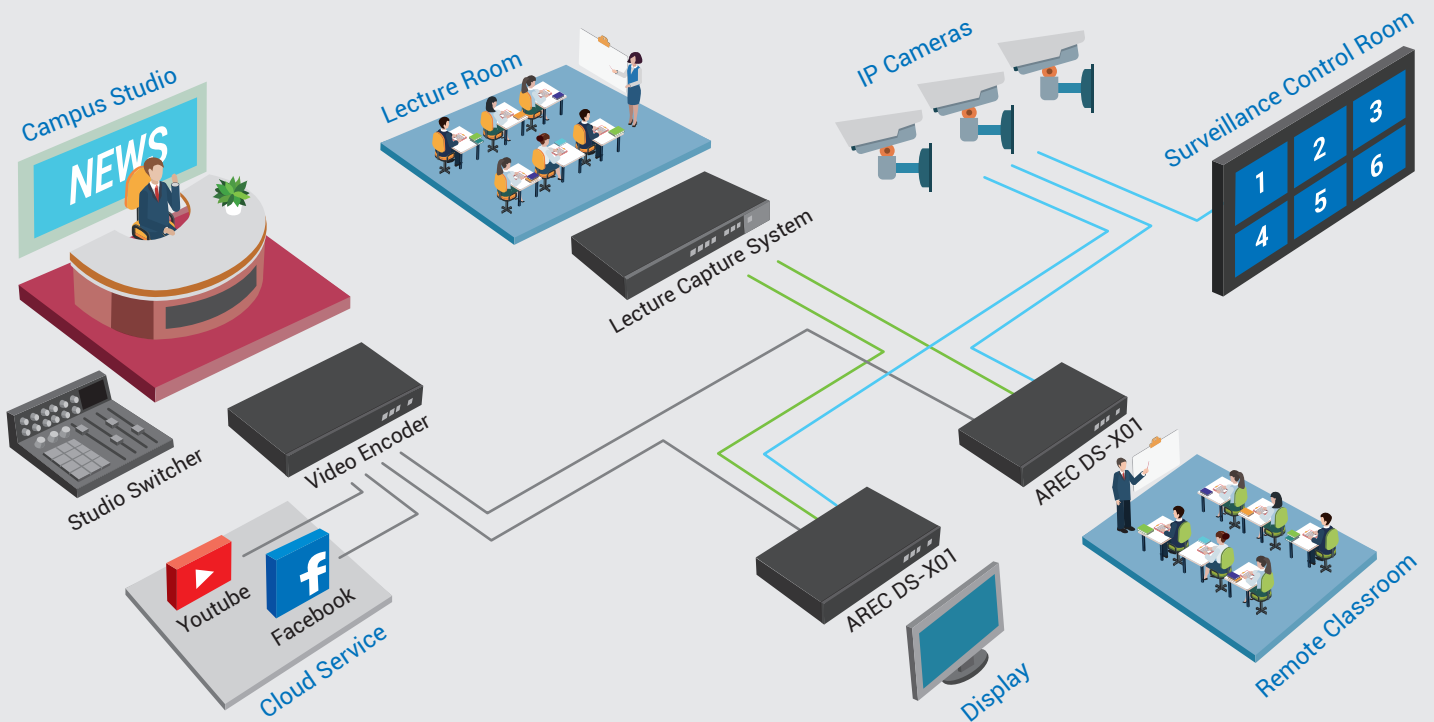


Adding Streaming Access Points

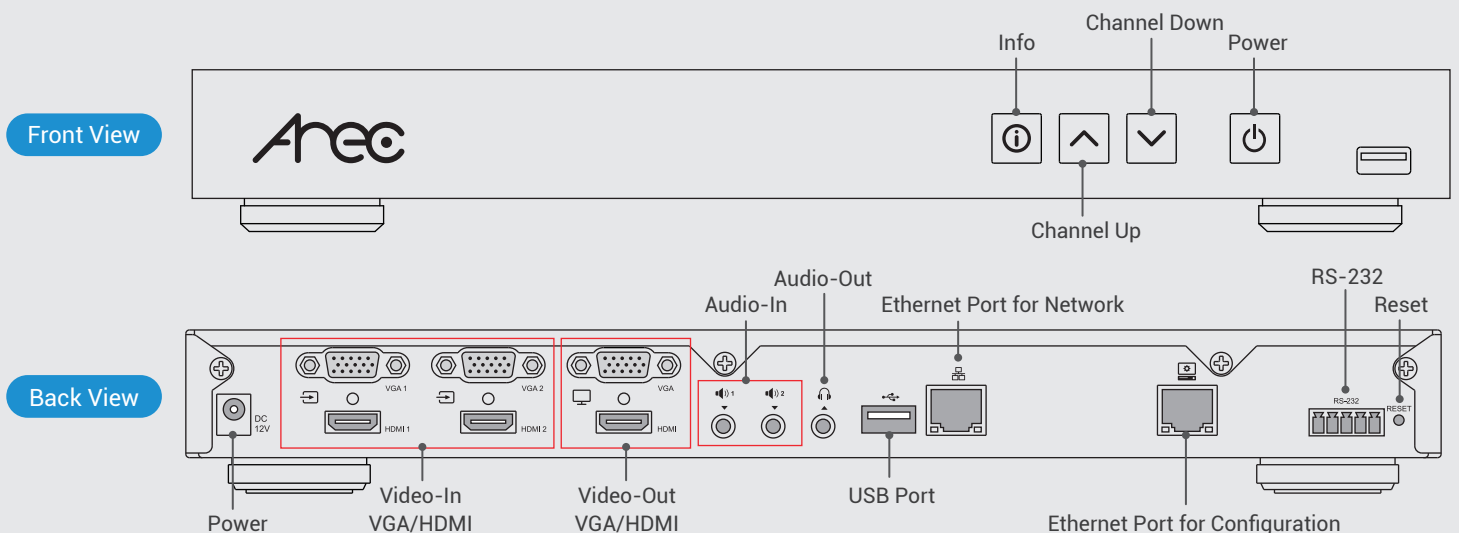
With the built-in Live Streaming Server feature, every AREC DS-X01 in the network architecture can be used as another streaming access point for content delivery to reduce the load on the origin server and improve the viewing quality for the end users.



Campus Network Architecture Diagram



Product Interface



Specifications

Model Name	AREC DS-X01 Media Decoder
Video and Audio Inputs	
Inputs Interface	2x HDMI ports 2x VGA ports 1x RJ-45 (IP streaming): up to 99 streams 2x 3.5mm Stereo line-in
Resolution Range	HDMI: 480i~1080p60 VGA video: 480i~1080p60 VGA PC: 640 x 480~1920 x 1080 H.264 / AVC, max. 1080p60
Compatible Streaming Input Protocols	RTMP (video+audio) RTP (video+audio) RTSP (video only)
Decoding	
Maximum Decode Resolution	Single channel, up to 1920x1080@60Hz
Video Compression	H.264/ AVC
Audio Compression	AAC-LC
Live Streaming Server	Embedded RTMP live-streaming server
Streaming Delay	1 sec.
Local Display	
Outputs Interface	1x HDMI display port 1x VGA display port 1x 3.5mm Stereo Line out Note: on-screen GUI is selectable between HDMI and VGA display port
Output Resolution	HDMI/ VGA: 1080p60
Control Interface	
USB HID Control	On-screen GUI supports USB HID control
External Control	Yes, supports RS-232 and TCP network control
Control Button	Yes, at the front of the media station
Admin Setting	Built-in admin setting web page
General Information	
Operation System	Embedded Linux System
Power Supply	12V/ 2A
Temperature / Humidity	0~40°C/ 90%
Dimension	354mm(L) x 185mm(W) x 46mm(H)
Weight	1.36kg (3 lbs)
Language	SC/ TC/ English/ Russian/ Spanish/ Czech/ Korean
Accessories	Power adapter / quick guide



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