EHA300 ▶ Network Adapter

EHA300

EdgeHandler Adapter (EHA300) is a network adapter which is connected to the target device such as HDMI output device, PC, DVRm NVR and I/O devices. It can convey mouse, keyboard and control information and transmit video through IP network remotely. With EdgeHandler Decoder (EHD200), remote video devices can be controlled.

• Tech Notes

Backdoor Issue free
FlexWATCH uses backdoor issue free USA Ambarella platform.

Easy Integration of other vendors DVR, NVR and VMS
If the video output format of DVR system is admitted to EdgeHandler™ Adapter, most of systems are managed remotely. Any concern supporting the customer system vanishes.

Real-time streaming of HDMI Video
Supports various Video compression standard (H.265/H.264/MJPEG).
The fastest proprietary streaming Engine embedded, Selectable Video Bandwidth and Selectable Video Quality and Resolution.

No additional Software installation needed
No dependency of operating system(Windows/Linux/MAC), target hardware and any outside service. Supports any PC/Embedded H/W Irrelevant to Virus infection of HDMI output device. No impact on the system performance of HDMI output device.

Strong Security & Encryption
Strong Security & Encryption by using proprietary hardware key.
Supports AES, DES, RSA algorithms through Hardware Accelerator.

Applications –POS Surveillance System
Our solution provides small-mid sized retail managers and shop owners with a complete picture of transaction activities by enabling monitoring of suspected events with IP surveillance cameras or DVRs.

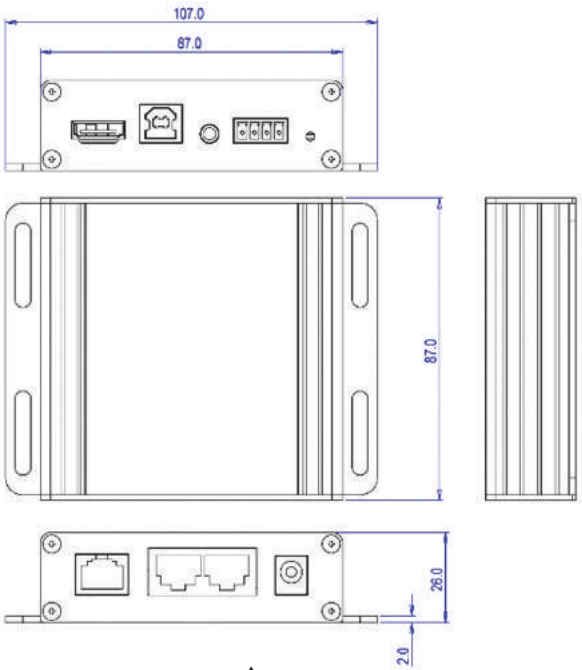**IP Camera interface available with Decoder**
Real-time monitoring by registering IP Cameras Any DVR/NVR can be monitored and controlled by using Adaptor.

Easy Integration of any PC system
PC is widely used such as ATM, kiosk, digital signage, access control, FA, etc. Those PC can be controlled remotely seeing the video screen in real-time.

EHA300 ▶ Technical Specifications

▲
EHA300

• Key Features of EdgeHandler

– Real-time streaming of HDMI video

– The fastest proprietary streaming engine embedded

– Perfect Mouse Synchronization

– Multiple streaming & resolution

– Keyboard and Mouse Controllability

– Power Cycling and Audio, etc. (to be supported)

– Possible to turn ON/OFF Power using relay port remotely

– Two way audio communication (Optional)

– Applications

– Security system maintenance

– Unmanned facility maintenance

– Remote system maintenance etc.

Video

Max. Streaming Rate	Up to 60fps @ Full-HD / Triple Streaming
Supported Codec	H.264 / H.265 (Option) Video compression, M-JPEG
Connections	Up to Four connections from EHD200

Network

Ethernet	2 x 10/100/1000-base-T (auto sensing)
Dynamic IP	DDNS support
Security	ID/Password protection DRM based proprietary secure key distribution protocol (to be released)
Miscellaneous	Web interface 4 connections from EHD

Interface

Video Out	1 HDMI - 1080p60p, 720p60p, 1280x1024, 1024x768
Audio In/Out	1 Port (MIC/SPK)
Alarm	1 DI / 1DO
Serial Port	1 Serial Port (reserved for future)
Peripherals	1 USB Port (B type)

Hardware

Approvals	KC, FCC, CE, RoHS
Working Condition	0℃ ~ +50℃, ~80% RH
Power Supply	SMPS, DC 12V @1A
Power Consumption	Max. 3.5W
Dimension	107(W) x 83(D) x 26(H) mm
Weight	About 165g without Power Supply