

EdgeHandler Adapter (EHA300) is a network adapter which is connected to the target device such as HDMI output device, PC, DVR, 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

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### **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**

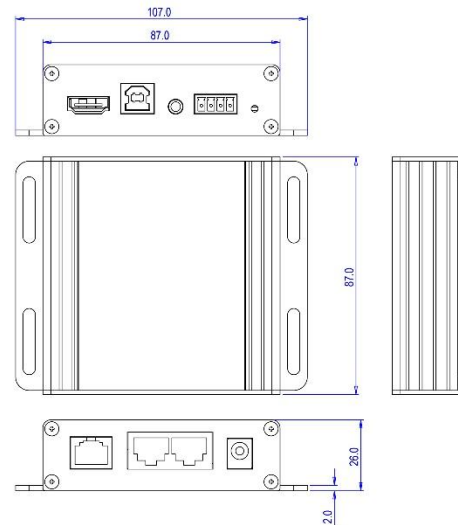
Real-time monitoring by registering IP Cameras Any DVR/NVR can be monitored and controlled by using Adaptor.

### **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



## 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

## 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)

## 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
<b>Hardware</b>	
Approvals	KC, FCC, CE, RoHS
Working Condition	0°C ~ +50°C, ~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