



Intelligent Video Enhancer

UNIONE Video Enhancer uses an AI-powered Auto Mode to automatically analyze and optimize video conditions, improving the efficiency of surveillance operations.



Low-Light Enhancement



Fog Enhancement



Thermal / IR Enhancement

- Land Surveillance (Borders, Critical Industrial Facilities, Security Facilities)
- Aviation Surveillance (Airport Perimeters, Critical Facilities)
- Unmanned Aerial Systems (EO/IR UAVs, Drones, and Anti-Drone Systems)
- Coastal and Maritime Surveillance
- Public & Private Facilities

UNIONE
TRADING & ENGINEERING



Before & After Comparison Video

Clear video enhancement is achieved even under adverse weather conditions.

[Original Video]



[Enhanced Video]



1
Fog



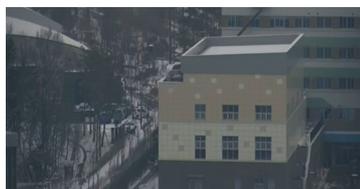
2
Low-Light



3
PM2.5



4
Snow

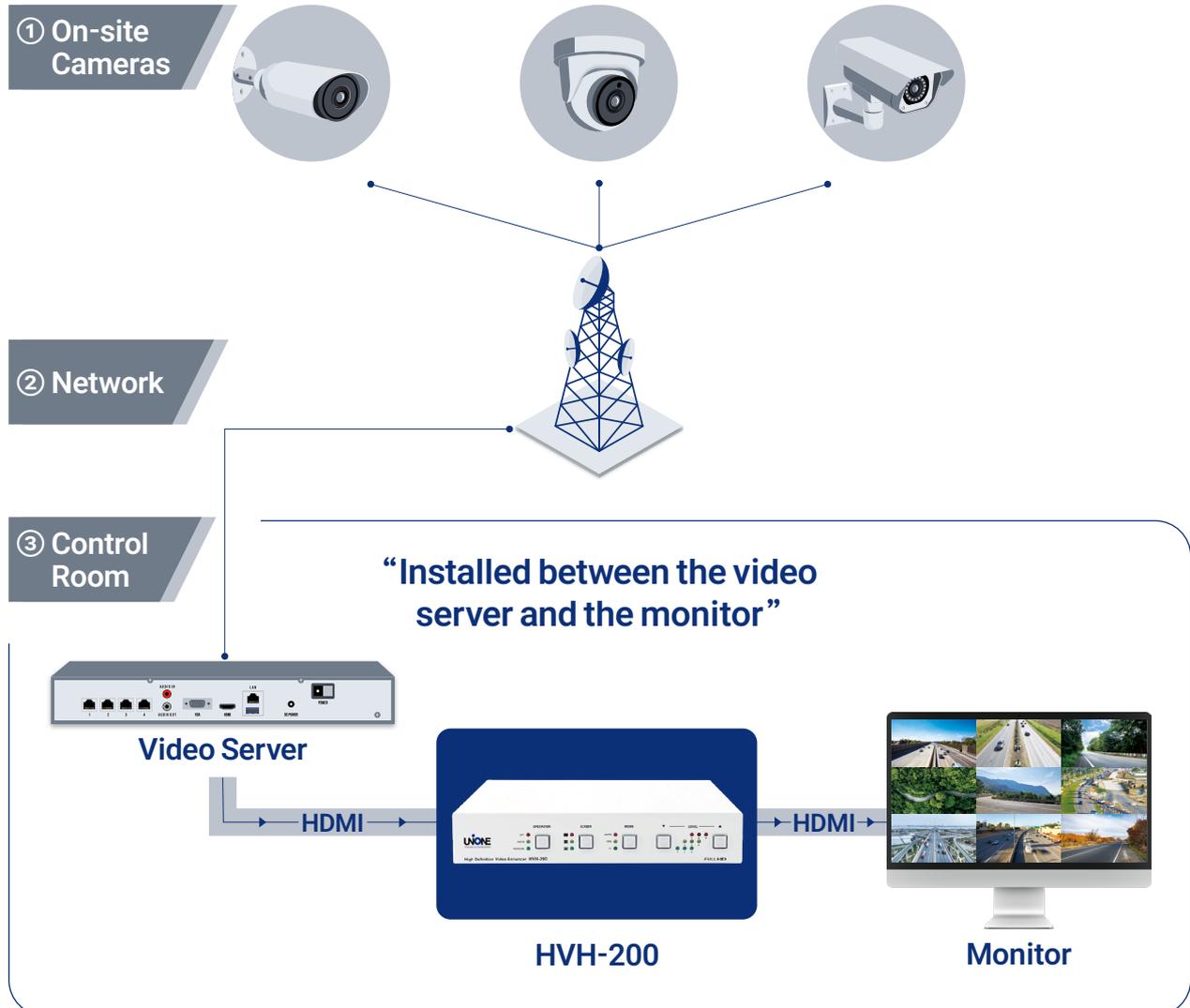


Product Specifications

Model	HVH-200
Product Type	Stand-alone
Video Input	HDMI × 1
Video Output	HDMI × 1
Supported Resolutions	1920 × 1080 p60, 1366 × 768 p60, 1360 × 768 p60, 1280 × 720 p60
Recommended Resolution	1920 × 1080 p60
Operating Temperature	0~60°C
Operating Humidity	0~80% (Non-condensing)
Power Supply	DC12V / 1A
Dimensions	W245 × D190 × H44 mm
Weight	1.3 kg



System Configuration



Key Benefits

- Enhances video clarity across all camera types
- Intelligent Auto Mode automatically analyzes weather conditions and applies optimal video enhancement processing
- Improves thermal camera MRTD performance by approximately 2x
- Significantly enhances visual monitoring, moving object detection, and tracking performance through advanced video enhancement
- Recognized by the Korean Public Procurement Service as an Innovative Product, G-PASS Company, and Excellent Product
- Holds patents for automatic weather condition recognition and selective video enhancement processing based on video data analysis



G-PASS Certified Company



Government Certified Excellent Product



KC Compliant



CE Compliant



FCC Compliant

Applications

Applicable to all public and private sectors where video surveillance systems are in operation.

Defense & Security

- ① Army border and perimeter surveillance systems
- ② Air Force base perimeter surveillance systems
- ③ Navy video surveillance systems
- ④ Coast Guard patrol vessel camera systems

Public & Commercial Sectors

- ① Hydroelectric and nuclear power plant surveillance systems
- ② Broadcast video enhancement and analysis systems
- ③ Port facility video surveillance systems
- ④ Facility management corporation surveillance systems
- ⑤ City infrastructure corporation surveillance systems
- ⑥ National Police Agency video surveillance systems
- ⑦ Facility management and urban infrastructure monitoring systems



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