

WF4000VH Data Sheet

Introduction

Video Hub is a hardware accessory designed to extend the capabilities of a security system by adding IP camera integration and visual alarm verification. It is paired with a DSC Connect cellular communicator and, once installed, allows installers and end users to connect IP cameras to the system, stream live video, and automatically capture snapshots before and after alarm events.

Video Hub connects to the network via Wi-Fi and bridges the alarm panel and the IP cameras. When an event is reported by the alarm panel through the DSC Connect cellular communicator (for example, an intrusion alarm, panic, or zone trouble), the Video Hub instructs the configured cameras to capture a series of snapshots. These snapshots are then made available in the DSC Connect Installer app (used by installers and central monitoring stations) and the DSC Connect app (used by end users) providing visual context for every event in the system log.

This approach enables video verification of alarm events, which can reduce false alarms, accelerate response times, and give end users peace of mind by allowing them to see exactly what is happening at their property when an alarm occurs.

 The Video Hub is configured by installers through the DSC Connect Installer app. End users interact with the system through the DSC Connect app, which also allows them to add cameras and configure triggers in addition to streaming and viewing events.

Note: Snapshot trigger intervals may vary depending on the panel configuration and type of connection between the alarm panel and the DSC Connect cellular communicator.

Key features

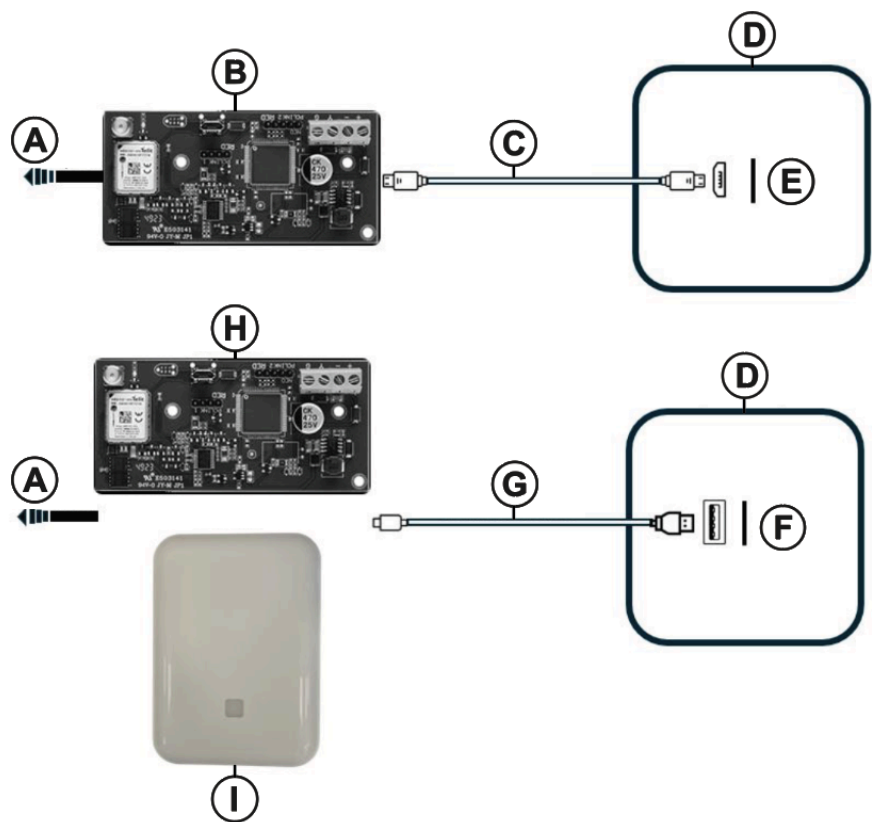
- **Wi-Fi Connectivity:** Connects to the network via Wi-Fi, enabling communication with IP cameras and cloud services.
- **Multi-Protocol Camera Support:** Compatible with ONVIF and RTSP IP cameras, allowing integration with a wide range of camera brands and models.
- **Automatic ONVIF Camera Discovery:** ONVIF-compatible cameras on the same network are automatically detected by the hub, simplifying setup.
- **Manual Camera Configuration:** Cameras can be added manually using their IP address, username, and password for control over which devices are integrated.
- **Camera and Trigger Management for End Users:** End users can add cameras and configure triggers directly from the DSC Connect app.
- **Event-Triggered Snapshots:** Configurable triggers automatically capture pre-alarm and post-alarm snapshots when specific events occur, providing visual verification of incidents. A total of 10 snapshots are captured per event, with a configurable pre/post split.
- **Live Video Streaming on Demand:** End users can stream live video from any configured camera through the DSC Connect app. Up to 3 cameras can be configured for pre-event verification, while the remaining 253 cameras can be assigned to post-event verification.
- **Snapshots on Demand:** End users can manually capture a snapshot from any configured camera at any time.
- **SIA Protocol Support:** The Video Hub supports the SIA (Security Industry Association) protocol for standardized alarm event reporting and communication with central monitoring stations.
- **Custom CID Trigger Support:** Custom Contact ID (CID) codes can be configured to trigger snapshot capture, beyond the standard event types.
- **Powered by the Communicator:** The Video Hub is powered directly by the DSC Connect cellular communicator using the supplied cable.

Technical specifications

Specification	Value
Supply voltage	3.6 V (powered via DSC Communicator)
Power consumption	Operating: 80 mA / Standby: 40 mA
Wi-Fi protocol	802.11 b/g/n (2.4 GHz)
Camera protocols	ONVIF, RTSP
Maximum camera	254 (3 with pre/post verification, 251 post-events only)
Operating temperature	-40 °C to 85 °C
Dimensions	95 × 95 × 25 mm

Wiring diagram

Figure 1: Wiring diagram



Callout	Description	Callout	Description
A	To the alarm panel	F	USB connector
B	LE4050M	G	USB Type-C to USB Type-A
C	Micro USB cable	H	LE4050C
D	Video Hub (WF4000VH)	I	LE4060U
E	Micro USB connector		