

VIRUNI

VN-DCM

Docking Controller



System Overview

Viruni Data Collection Station is a data collection system which is composed of Docking Controller Module and Docking Station Module, and can automatically charge, identify and authenticate BWCs. It automatically collects digital evidences (such as videos, audios, and photos) from BWCs, mark important files, search for and play back the recording files through local screen or web client.

Functions

Security Management

Electronic lock design for the Dock on Docking Station: each dock can be unlocked using face, fingerprint and password through Docking Controller. Also support one tap to unlock all docks.

Unlock after Power-off

Built-in lithium battery in Docking Controller: enable unlocking of all docks through the lock at the bottom of Docking Station for 10 days in case the Docking Controller turns off.

Easy Installation

Presents a wall-mounted split design with Docking Controller and Docking Station that can be installed and removed separately. Support to be installed on the wall and movable bracket, flexible to use.

Scene

It is applicable to law enforcement departments like police, prison, correctional institution, interior ministry, traffic, immigration office, customs, airport, and commercial field like security guard, insurance, healthcare, energy, electricity, construction, and logistics.

Features:

- 13.3-inch touch screen with 1080p resolution
- Supplied with network cable(Cat5E).
- Support Docking Controller access with password, fingerprint and face recognition.
- Can connect up to four (4) docking stations for thirty-two(32) body worn cameras.
- Download recording files from BWC and charge BWC once connected.
- With touch screen and web client, authorized customer can search, playback and download recordings, mark important files easily.
- Search files by time, type of the file (video, audio, picture), user ID etc.
- Support one tap to unlock docks on Docking Station.
- Support upgrade BWC firmware automatically or manually.
- Support to install 6 Hard Drives and each up to 10TB. Support RAID 0/1/5/10.

Technical Specification

System

Main Processor	Industrial-grade embedded controller
Operating System	Embedded Linux

Basic Parameters

Display	13.3" LCD
Screen Type	Capacitive touch screen
Resolution	1080p
Camera	2MP CMOS HD Camera
Fingerprint Identification Module	1
Speaker	1 (power: 2 W)
White Light	Yes (only automatically enabled under Target Recognition scenarios)
Network Port	2 × RJ-45 gigabit Ethernet ports
USB	8
RS-232	1
Extension (Female)	1
HDD Interface	6 × SATA3.0; max. 10 TB for one HDD. Use at least 2 HDDs for optimal collection speed

Function

Target Recognition	Yes. Max. 330 face databases
Fingerprint Identification	Yes. Max. 1,000 fingerprint databases (3 fingerprints for each user)
One-tap Unlock	Yes. One-tap to unlock all docks on Docking Station.
Single-dock Unlock	Yes. Support to unlock single dock on Docking Station Module.
Unlock docks after Power-off	Yes. The built-in lithium battery in Docking Controller enables unlocking of all docks through the lock at the bottom of Docking Station for 10 days in case the Docking Controller turns off.
Device Access Status Indication	Yes
Device Update	Supports updating BWCs or body cameras automatically or manually; supports local or online updating of collection station
Auto Collection	Yes
Priority Collection	Yes. Docks in the first row can be configured to have faster download speed than others when Docking Controller connect more than one Docking Station.
RAID	RAID 0/1/5/10
Web Client	Yes
FTP	Yes

Performance

Collection Speed	Total bandwidth: Max. 128 MB/s
Target Recognition Distance	0.5 m–1.5 m (1.64 ft–4.92 ft)
Target Recognition Accuracy	100%
Target Recognition Time	Within 1 s

General

Input Voltage	100–240 V, 47-63 Hz (to supplied external power supply)
Lithium Battery	2600 mAh-7.26 V-8.4 Vchr-1.3 Alcr-520 mAldr
Power Consumption	15W
Product Dimensions	630.0 mm × 280.0 mm × 89.9 mm (24.80" × 11.02" × 3.54")
Packaging Dimensions	750.0 mm × 400.0 mm × 262.0 mm (29.53" × 15.75" × 10.31")
Working Temperature	Operating: –10 °C to +55 °C, Storage: -55°C to 70°C
Operating Relative Humidity	5%–95% (non-condensing)
Relative Humidity	5%–95% (non-condensing)
Operating Environment	Indoor
Net Weight	9.48 kg (20.90 lb) (without HDD)
Gross Weight	12.00 kg (26.46 lb)
Installation	Wall mounted with Docking Station; top and ground distance: 1.6 m–1.8 m (5.25 ft–5.91 ft)

Dimensions (mm[inch])

