



# VN-DCM

## Control Module



### Series Overview

VirUni Data Collection Station is a data collection system which is composed of Control Module and Data Collection Module, and can automatically charge, identify and authenticate Body Worn Camera (BWC s).

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 Data collection Station: each dock can be unlocked using face, fingerprint and password through Control Module. Also support one tap to unlock all docks.

#### Unlock after Power-off

Built-in lithium battery in Control Module: enable unlocking of all docks through the lock at the bottom of Data Collection Module for 10 days in case the Control Module turns off.

#### Easy Installation

Presents a wall-mounted split design with Control Module and Data Collection Module that can be installed and removed separately. Support to be installed on the wall and movable bracket, flexible to use.

### Features:

- 13.3" 1920 × 1080 HD capacitive touch screen, easy to operate.
- Login the system by face, fingerprint and password.
- The Control Module must connect at least 1 Data Collection Module, and up to 4 can be connected.
- 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 Data Collection Module.
- Support upgrade BWC firmware automatically or manually.
- 1 USB 2.0 and 1 USB 3.0 interface which can be used to connect mouse or download recording to USB Drive.
- Support to install 6 Hard Drives and each up to 10TB. Support RAID 0/1/5/10.

### Scene

It is applicable to departments like traffic, airport, and commercial field like security guard, insurance, healthcare, energy, electricity, construction, and logistics.

### 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                               | 2 (USB2.0 & USB3.0)   |
| RS-232                            | 1   |
| Extension (Female)                | 1 (for connecting data collection module to transmit data)                            |
| 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 Data Collection Module.   |
| Single-dock Unlock              | Yes. Support to unlock single dock on Data Collection Module.   |
| Unlock docks after Power-off    | Yes. The built-in lithium battery in VN-DCM enables unlocking of all docks through the lock at the bottom of Data Collection Module for 10 days in case the VN-DCM 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 VN-DCM connect more than one Data Collection Module.                             |
| 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

|                       |  |
|-----------------------|--|
| Power Supply          | 100–240 V AC, 50/60 Hz   |
| Lithium Battery       | 2600 mAh-7.26 V-8.4 Vchr-1.3 Alcr-520 mAldr  |
| Power Consumption     | Single control module (no HDD): 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")  |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +131 °F)   |
| Operating Humidity    | 0%–90% (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 Data Collection Module; top and ground distance: 1.6 m–1.8 m (5.25 ft–5.91 ft) |