

VDU-100

Video Distribution System
Using GSM Broadband, Inmarsat, LAN



Command Vehicles



Police Helicopters



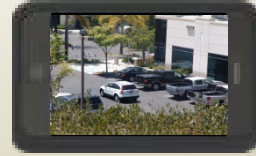
Unmanned Vehicles



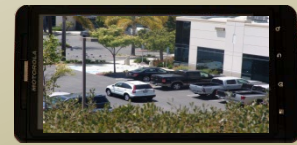
Video Cameras



VDU-100



iPhone



Android



iPad



Laptops/PCs

- **Accepts 2 Video Inputs**
(e.g., Day Camera, Night Camera)
- **Multiple Viewing Devices**
(Laptops, PCs, SmartPhones, iPADS)
- **2-Way Audio**
- **Video/JPG Recording at the Viewer**
- **Remote Control of PTZ using any Viewer**
- **Displays VDU-100 Present Position in Google Earth**
- **Optional Internal DVR (VDU-100R)**

Description - The VDU-100 allows the user to encode and transmit video using several wireless and wired transmission modes, in bandwidths as low as 9 kbps, from its point of collection to essentially anywhere in the world on a near real-time basis. 30 frames per second is achievable at 125 kbps. The decoded video is viewed simultaneously on an unlimited number of commercial devices.

The Viewer(s) can control camera pan, tilt, and zoom functions, perform video enhancement, and adjust frame rate and resolution. With a laptop or PC as the Viewer, the user can record video (.avi format) or photos (.jpg format) locally. An optional embedded 8 GB digital video recorder can either be downloaded remotely or at the VDU-100.

VDU-100 SPECIFICATIONS

Input Characteristics

Video Inputs

(2) Composite Inputs; NTSC or PAL

Data Inputs

Ethernet

Audio

Two-way

Hardware Performance

Bandwidth

9 kbps to 2 Mbps

Encryption

AES 128/256 (or Military Radio Encryption)

Video Frame Rate

0.1 to 30 Frames per Second

Video Frame Size

128 x 96 minimum; 704 x 576 (4CIF) maximum

Cellular Interface

GPRS/3G/HSDPA Module

Satellite Communications Interface

10/100 RJ45 Ethernet for Inmarsat

LAN Interface

10/100 RJ45 Ethernet for wired or wireless LAN

GPS Receiver Interface

USB

Camera Pan, Tilt and Zoom Interface

RS-232 or RS-422/485

Operational Mode Selection

Cellular, LAN, Inmarsat

Embedded Digital Video Recorder Option

8 GB (approximately 2 hours recording time)

Alarm Triggers

Up to 3 Alarm Triggers with "Sleep/Wake" feature

Software Video Viewers

Viewing Devices Supported

PC; Windows Mobile; Android; iPhone and iPad

Number of Viewers

Unlimited live video viewers in multiple locations

Image Enhancement

User-selectable high resolution image enhancement

Remote & Local Recording

Video and/or .JPG; remote download of optional DVR

Environmental and Physical Characteristics

Size

9.2" D x 7.0" W x 2.3"; IPC65-rated

Weight

3.2 lbs.

Voltage Input

9-36 VDC (external 115/240 VAC-to-12 VDC adapter)

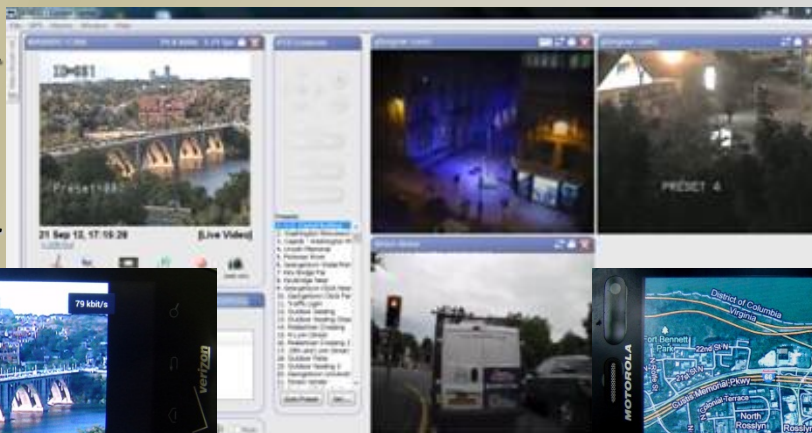
Power Consumption

6-10 W (nominal); 10 W (max.)

Operating Temperature

0 to 50° C

PC/Laptop Viewer



Smartphone Viewer



Smartphone GPS

