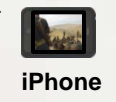
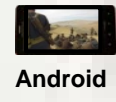


VDU-100M/MR

Video Distribution Over Tactical Radios, LAN, GSM/CDMA, BGAN/SWAN, Wireless Mesh



Server

3G/4G Modem

BGAN/SWAN
Inmarsat

"IP Link"

Ground Control Station/
RVT/OSRVT

VDU-100MR

PRC-XXX w/ ANW2/SRW

UHF/VHF LOS or
UHF SatCom

PC

GPS Map
Display

PC

Android

iPhone

Tablets

TOC



VDU-100M/MR Features & Specifications

2 composite video inputs

Maintains constant frame rate without exceeding bandwidth limits

Low latency for accurate PTZ control

Integrated GPRS / 3G / HSDPA module

Two-way audio

User-selectable operational mode changes

Video Format Agnostic (NTSC or PAL)

Multiple viewers in different locations can view live video

Uses tactical radio's encryption scheme or AES 128/256

No moving parts for silent, reliable operation

High resolution image enhancement

Video/JPG recording at the viewing device

Optional Internal 8 GB Digital Video Recorder (VDU-100MR)

Physical & Electrical Characteristics

Size: 7.5" x 6.7" x 2.0"

Weight: 3.5 lbs.

Voltage Input: 9-36 VDC

Power: 5.5 Watts (Nominal); 8.5 Watts (Maximum)

Environmental

Operating Temperature: -25° to +160° F

Storage Temperature: -40° to +190° F

IP67 Rated

Internet: 10/100 RJ45 Ethernet for wired or wireless LAN

Satellite Connectivity: 10/100 RJ45 Ethernet for Inmarsat/ViaSat

PTZ Connectivity: Camera can be controlled via RS-232 or RS=485

Data Bandwidths: 9 Kbps to 2 Mbps

Viewers Supported: Windows PC, Windows Mobile, Android, iPhone, iPad

Video Frame Sizes Supported: From 128 x 96 up to 704 x 576 (4CIF) at frame rates of 0.1 to 30 frames per second (NTSC)

Can accept and transmit a second Ethernet (sensor) input

