DMNG PRO 180
DIGITAL MOBILE NEWS GATHERING

AVIWEST
VIDEO BROADCAST & SECURITY

THE ULTIMATE 3G/4G-LTE VIDEO UPLINK SYSTEM

The AVIWEST DMNG® PRO series is the world's most advanced pocket-sized 3G/4G-LTE live high-quality video uplink system, designed to be used by news-gathering professionals worldwide.

The DMNG® PRO is ultra-compact, robust and highly-portable, and allows for direct camera-mounting using standard V-mount or Gold-plate. Its power and versatility give you the required flexibility to always be "news-ready" by combining any of the following network interfaces:

- 8 embedded 3G/HSPA+/4G-LTE modems
  (with high-efficiency custom antenna array giving faster network acquisition and improved resilience)
- Built-in WiFi modem
- 2 auxiliary USB ports
- Dual Gigabit Ethernet for BGAN, Ka-Sat or streaming over LAN

The DMNG® PRO has been designed with ease-of-use in mind, the user-friendly intuitive interface allows any user to broadcast live in 3 simple clicks from either the embedded touchscreen or from the AVIWEST smartphone application.

Wherever the news happens, whatever the networks available, the DMNG® PRO gives you the freedom to shoot with the confidence of delivery.

MAIN FUNCTIONS

LIVE
Send a live broadcast-quality video over any kind of IP based networks: bonded 3G or 4G-LTE networks, WiFi, WiMax, Ethernet or satellite (BGAN, Ka band Sat)
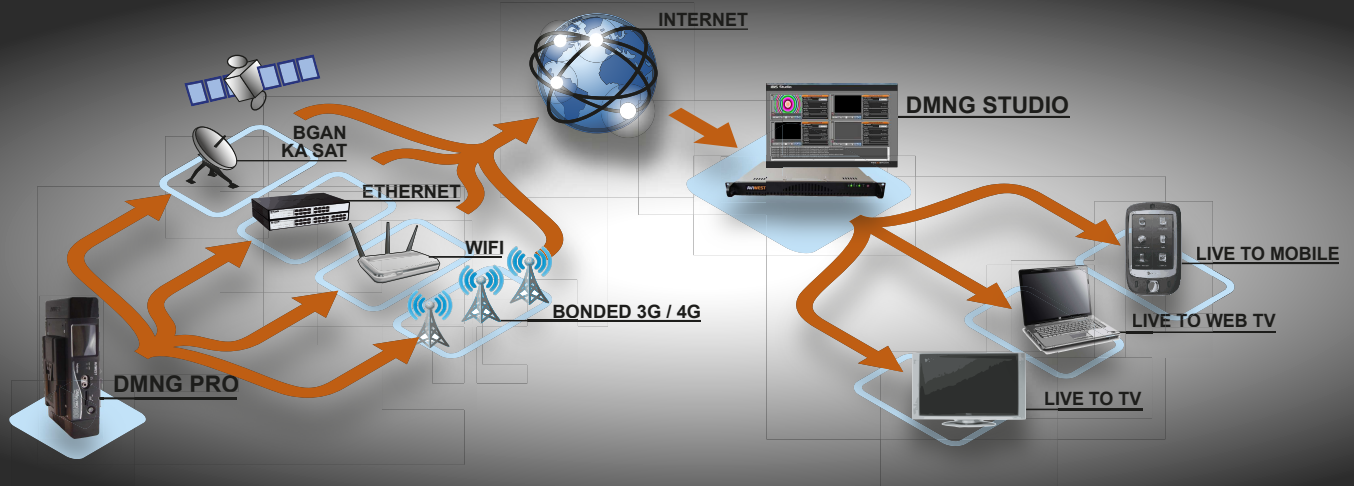
STORE
Record high quality video files (up to HD) while streaming live at lower resolution.

FORWARD
Fast Forward the files from the SD card or a memory stick (video, data,..) to the TV station using the available networks

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Specifications

DMNG PRO SYSTEM OVERVIEW

INTERNET

DMNG STUDIO

BGAN
KA SAT

ETHERNET

WIFI

BONDED 3G / 4G

DMNG PRO

LIVE TO MOBILE

LIVE TO WEB TV

LIVE TO TV

DMNG PRO MAIN SPECIFICATIONS

		DMNG PRO 180	DMNG PRO 140	DMNG PRO 100
Main Functions	Live	Yes	Yes	Yes
	Store & Forward	Yes	Yes	Yes
	Return IFB channel	Yes	Yes	Yes
	Tally Light	Yes	Yes	Yes
	Built-in GPS	optional	optional	optional
Input Interfaces	HD/SD-SDI embedded audio (BNC)	Yes	Yes	Yes
	Composite (BNC)	Yes	Yes	Yes
	Analog Audio L&R (BNC)	Yes	Yes	Yes
	HDMI (1.3)	Yes	Yes	Yes
Other Interfaces	ASI-TS out (BNC)	Yes	Yes	Yes
	Gigabit Ethernet (Streaming, BGAN,...)	2	2	2
	USB 2.0 (Store, USB modems,...)	2	2	2
	RS232, RS485	Yes	Yes	Yes
	SD Card slot (store)	Yes	Yes	Yes
Networks	3G/4G-LTE build-in Modems	8	4	-
	3G/4G-LTE high efficiency custom antennas	8	4	-
	Additional external USB Modems	2	2	2
	Built-in Wifi with high efficiency custom antenna	Yes	Yes	-
	BGAN	Yes	Yes	Yes
	Ka Band Satellite	Yes	Yes	Yes
	Ethernet	Yes	Yes	Yes
Video Compression	H.264/AVC Main/High Profile level 4	Yes	Yes	Yes
	1080i/p @ 25/29.97 fps	Yes	Yes	Yes
	720p @ 50/59.94 fps	Yes	Yes	Yes
	576i and 480i @ 25/29.97 fps	Yes	Yes	Yes
	Bit rates: 128 Kbps to 10 Mbps	Yes	Yes	Yes
	CBR / VBR / Capped VBR	Yes	Yes	Yes
Audio Compression	HE-AAC; HE-AAC v2	Yes	Yes	Yes
	Dual mono / Stereo	Yes	Yes	Yes
	Bit rates: 32 to 128 Kbps	Yes	Yes	Yes
Configuration	Touch screen	Yes	Yes	Yes
	Web GUI (any devices)	Yes	Yes	Yes
	Remote configuration (from receiver)	Yes	Yes	Yes
Power Supply	11-24V input XLR 4 pins - hot swap	Yes	Yes	Yes
	Female (Camera side) V-Mount or Gold Mount plate	Yes	Yes	optional
	Male (Battery side) V-Mount or Gold Mount plate	optional	optional	-
Dimensions	Dimensions	245x128x55mm	215x128x55mm	180x128x55mm
	Weight (Kg)	1.16	1.11	0.92
	Weight (Lb):	2.55	2.44	2.02

www.aviwest.com