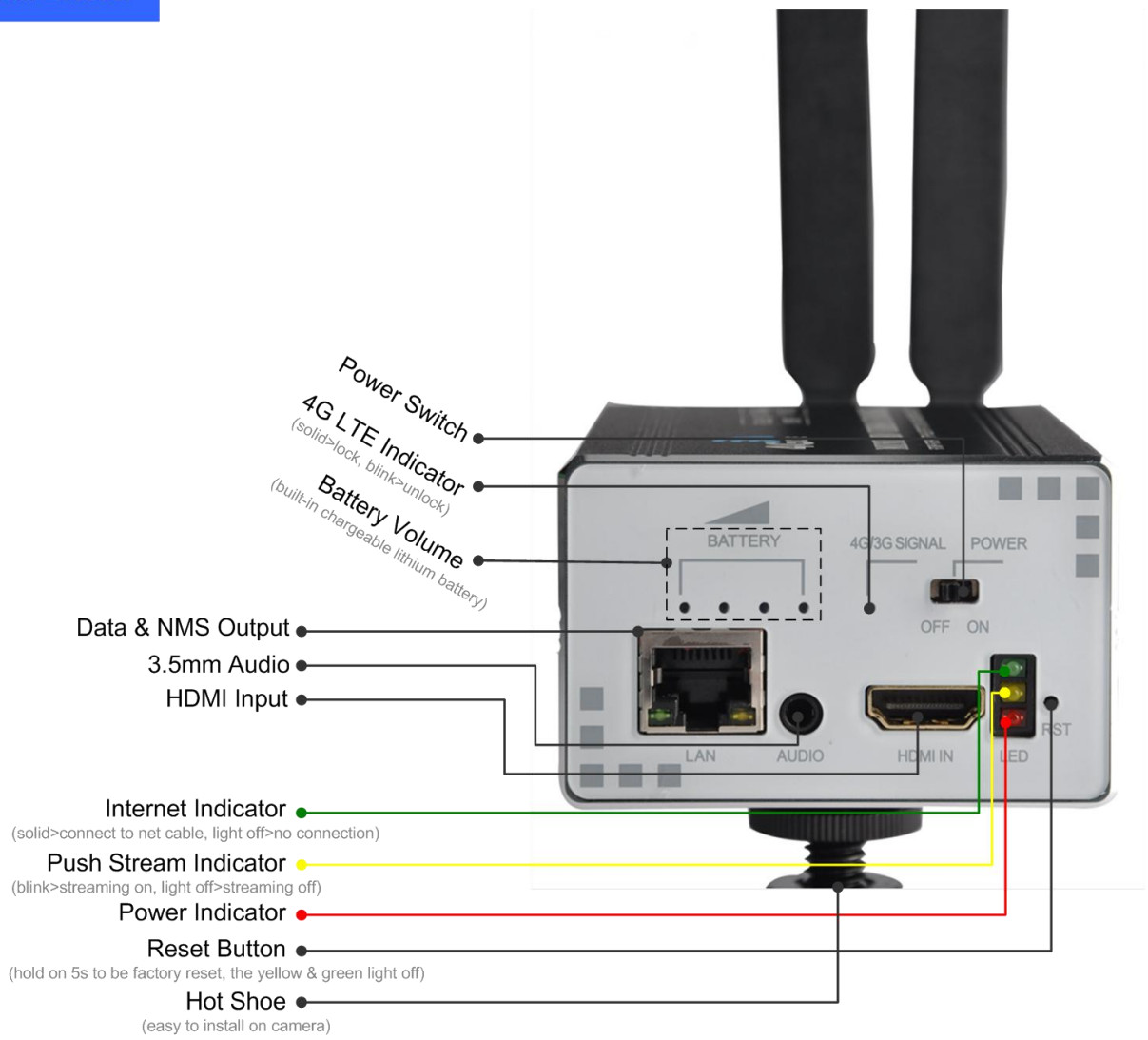
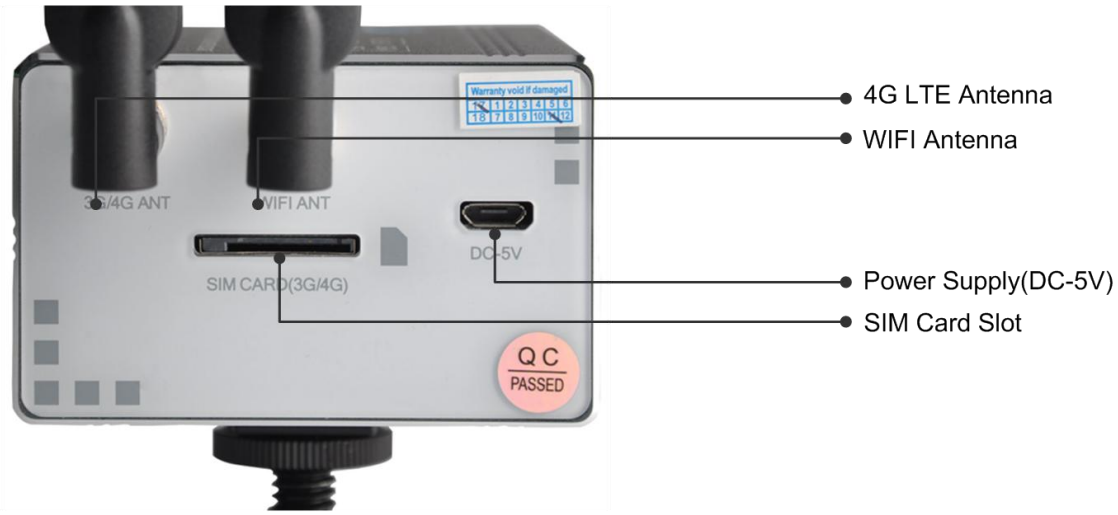
Order Guide

DMB-8900N 4G/LTE Live Streaming Encoder(HDMI in)
DMB-8900N 4G/LTE Live Streaming Encoder(SDI in/loopout)

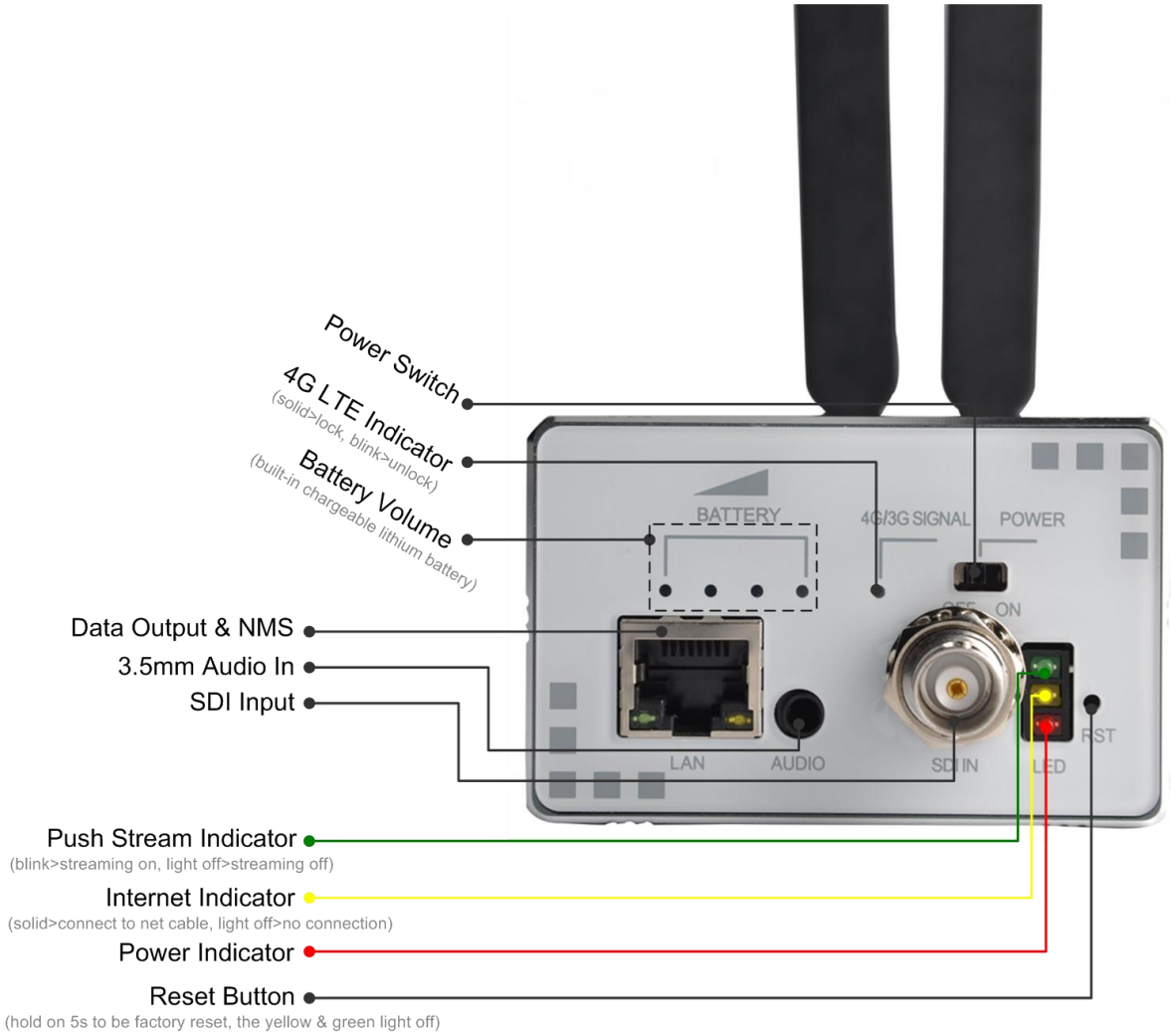


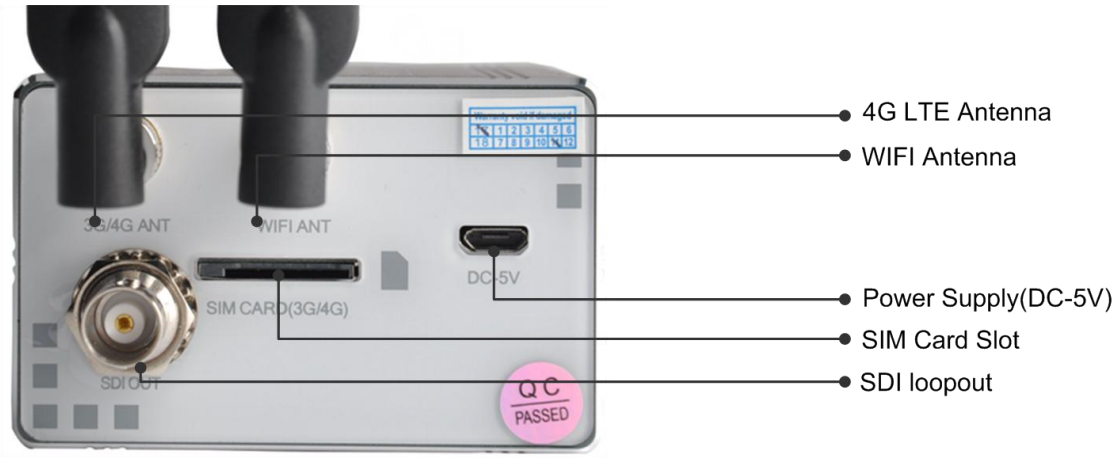
HDMI Encoder





SDI Encoder


Power Switch
4G LTE Indicator
(solid>lock, blink>unlock)
Battery Volume
(built-in chargeable lithium battery)
Data Output & NMS
3.5mm Audio In
SDI Input
Push Stream Indicator
(blink>streaming on, light off>streaming off)
Internet Indicator
(solid>connect to net cable, light off>no connection)
Power Indicator
Reset Button
(hold on 5s to be factory reset, the yellow & green light off)
BATTERY
4G/3G SIGNAL
POWER
ON
LAN
AUDIO
SDI IN
LED
RST


4G LTE Antenna
WIFI Antenna
Power Supply(DC-5V)
SIM Card Slot
SDI loopout
WIFI ANT
DC-5V
SIM CARD(3G/4G)
SDI OUT
QC
PASSED

OVERVIEW

DMB-8900N 4G LTE HD Live Streaming Encoder features high performance, low latency and low bit rates for Live Streaming, IPTV & OTT systems, realized Video & Audio real-time transmission via 4G/3G internet, and adopts state-of-the-art compression technology of H.265/HEVC, which realizes its resolution to be up to full HD 1080P. With powerful video pre-compression and efficient adaptive video compression algorithm, it is able to provide clear-delicate, high quality video even at lower bit rate which can efficiently save the cost of bandwidth.

DMB-8900N accepts 1*HDMI or 1*SDI IN/LOOPOUT as option then outputs 4*streams H.265 format and audio MP3/AAC format with multi-protocol, multi-resolution, multi-bitrate which can be freely adjusted according to your needs.
Besides, it's simple to be set up by switching between WIFI and 4G LTE mode, users can start Live Streaming Anytime, Anywhere, Anyplace!

DMB-8900N provides fully functional second development package, which can be applied to education, health care, IPTV, conference, remote education, news interview, court, public security, banking, transportation and other industry application.

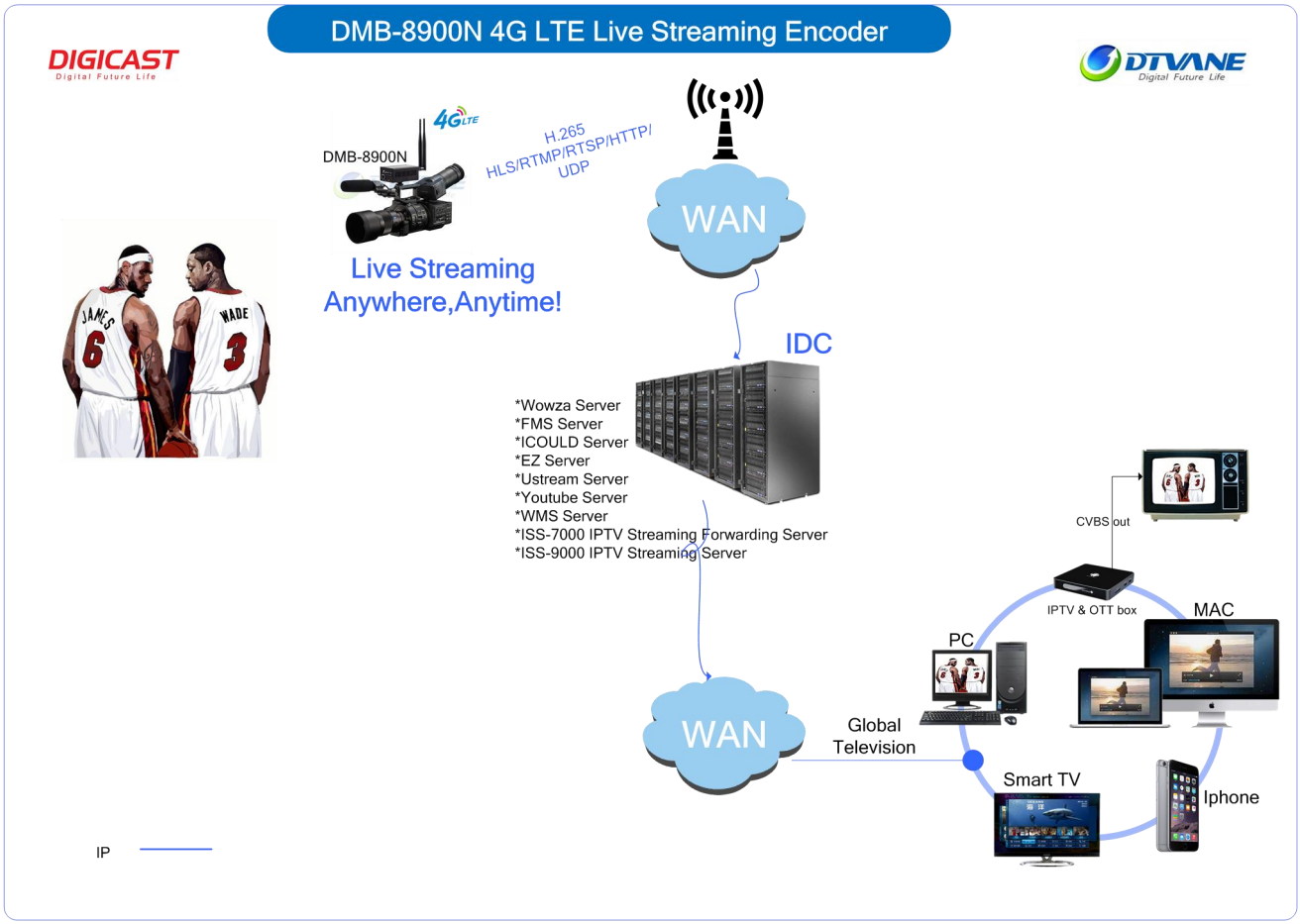
FEATURES

- **4G/3G LTE**/WIFI/Internet(Switchable)
- low power consumption design & running time up to 5-6 hours by full built-in **Lithium battery.**
- Support up to 4 TS over IP stream out.
- Providing a standard hot shoe base for fixation on a camcorder
- Workable with newest architecture of H.265
- Display on multi-screen originated from one computer is available
- Up to Full HD 1080P output.
- Workable under HLS,RTSP/RTP/RTMP, HTTP, UDP unicast and multicast(Username and password verification allowed under RTMP)
- Support **HDCP** protocol
- Support ONVIF Network Video Protocol
- Configurable of multi-screen ,multi-protocol, multi-resolution and multi-stream and low bit-rate by H.265 with high quality image
- **Any iOS browsers(iphone, ipad, MacBook etc) are able to have streams from IPTV Streaming Encoder in Anytime, Anywhere by HLS protocol without install any software players.**

- **Any terminal devices/decoders are able to have streams from IPTV Streaming Encoder directly by RTMP protocol with software players(such as VLC).**
- Encoding level: Level 1/2/3/4/5(the higher level, the higher stream fluctuation rate)
- Encoding profile:H.265/HEVC BASELINE PROFILE / MAIN PROFILE/ HIGH PROFILE
- Audio format: MP3 , AAC ;sampling rate:32 KHz /44.1 KHz/48 KHz etc.
- Audio encoded bit-rate: 48Kbps /64Kbps /96Kbps /128Kbps/160Kbps/192Kbps /256Kbps
- Bit-rate mode CBR/VBR,16Kbps~12Mbps
- Video packing: FFMPEG/ VLC
- Transport method: TCP,UDP,1000M (RJ45 duplex interface)
- Web-based management easy for configuration.
- Scrollable English OSD ,picture overlapping and logos are realizable while letters and symbols can be displayed anywhere in the screen
- Adjustable coordinate: 1920x1080
- Adjustable font size:8~72
- Allowing DHCP to automatically obtain IP, offering one key recovery & upgrading and remote maintenance
- Image setting: Contrast, brightness, hue, saturation, noise inspection, sharpness, wave filtering
- Audio: embedded or line in; left & right; built-in audio gain for independent volume adjustability
- Able to encode with absence of video signal
- The setting comes into effect once finished while reboot is unnecessary
- Default configuration can be done by one key recovery
- WINDOWS XP/VISTA/SERVER2003/SERVER2008/WIN7 32 and WIN7 64, LINUX

APPLICATIONS

- IPTV & OTT system
- Internet TV
- Digital Signage Project
- Remote Video Conference
- Video Monitoring
- Mobile Live Streaming



SPECIFICATIONS

VIDEO Encoding

- Video compression:H.265/HEVC, H.264/MPEG-4 AVC
- Video inputs: HDMI(HDCP supported) or SDI in/loopout for option
- Input resolution:

  1920x1080,1680x1056,1280x720,1024x576,850x480,720x576,720x540, 720x540,720x480, 720x404,704x576,640x480,640x360,auto
- Output resolution:

  Main stream(supports two protocols):

  1920x1080,1680x1056,1280x720,1024x576,850x480,720x576,720x540, 720x540,720x480, 720x404,704x576,640x480,640x360,auto

  Sub-stream(supports two protocols):

  1280x720,800X450,720x576,720x540,720x480,720x404,704x576,640x480, 640x300,352X288,320X240,320X180 auto
- Bit-rate: 16kbps~12Mbps, CBR/VBR
- Video Frame Rate: 30/25fps
- OSD: text, photo
- Video pre-processing: Noise reduction, Sharpen, Filtering

AUDIO Encoding

- Input interface: 1*HDMI or 1*SDI embedded audio for option,

  1*3.5mm line in(audio gain adjustable)
- Audio compression: AAC, MP3
- Sampling Rate 32KHz,44.1 KHz,48 KHz etc.
- Audio Bit-rate: 48Kbps,64 Kbps,96 Kbps,128 Kbps,16 Kbps,192 Kbps,256 Kbps,384Kbps

IP Streaming output

- Transport protocol: TS over IP output, HLS, RTSP, HTTP, RTMP, UDP multicast/unicast, ONVIF protocol
- For HDMI/SDI in/loopout to IP output: 2 Channels with higher resolution(up to 1080P) for large screen application, 2 channels with lower resolution(up to 720P) for small screen application

- Support RTMP Username and Password for verification of IPTV Server
- Connector: RJ45,100M/1000M

GENERAL OPTIONS

System

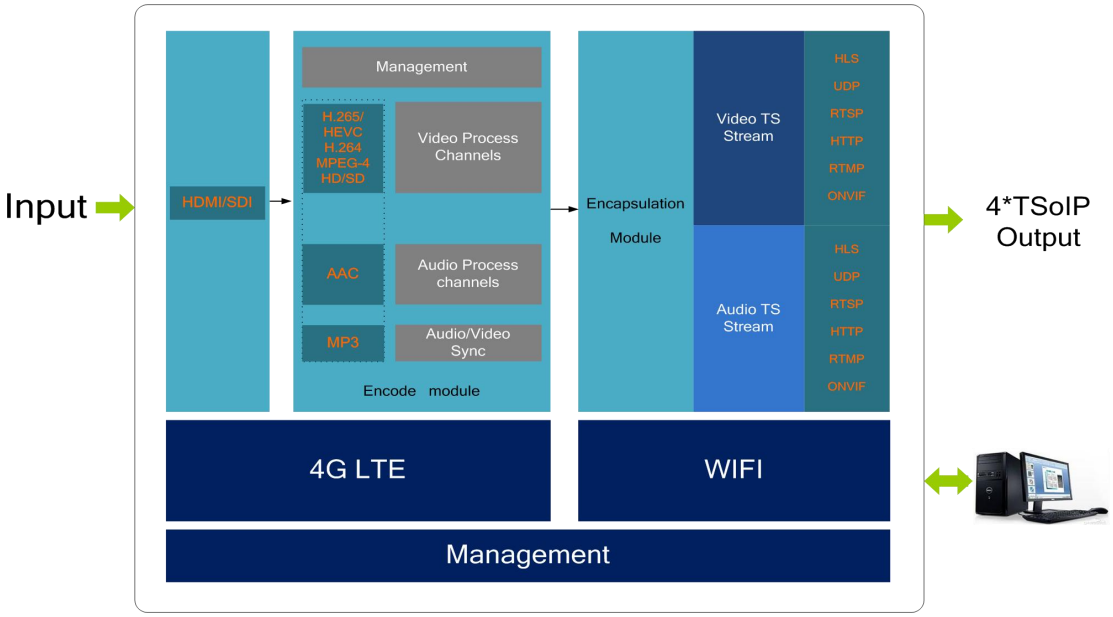
- Configuration Interface: Web-based
- Remote Upgrade: via network
- Connector: RJ45, 100M/1000M Ethernet interface.

Physical and Power

- Voltage: 5V
- Power: 2A
- Power Consumption: 10W
- Operating temperature: -20~60℃(operation), -20~65℃(storage)
- Working Moisture: <90% no condensation
- Dimensions: 100mm(L)*70mm(W)*44mm(H)
- Net Weight: 0.37 KG
- LTE mode: 4G/3G LTE
- Lithium Battery: 9000mAh

  (Running up to 5 hours, the specific working time would be depended by the settings).

DIAGRAM



Order Guide

Item Number.	Input version 1	Input version 2	Encoding format	Max Resolution(output)
DMB-8900N-LTE	HDMI input	SDI input SDI Loopout	H.265	1080P@60 FPS

Should you have any questions, please don't hesitate to contact with us.