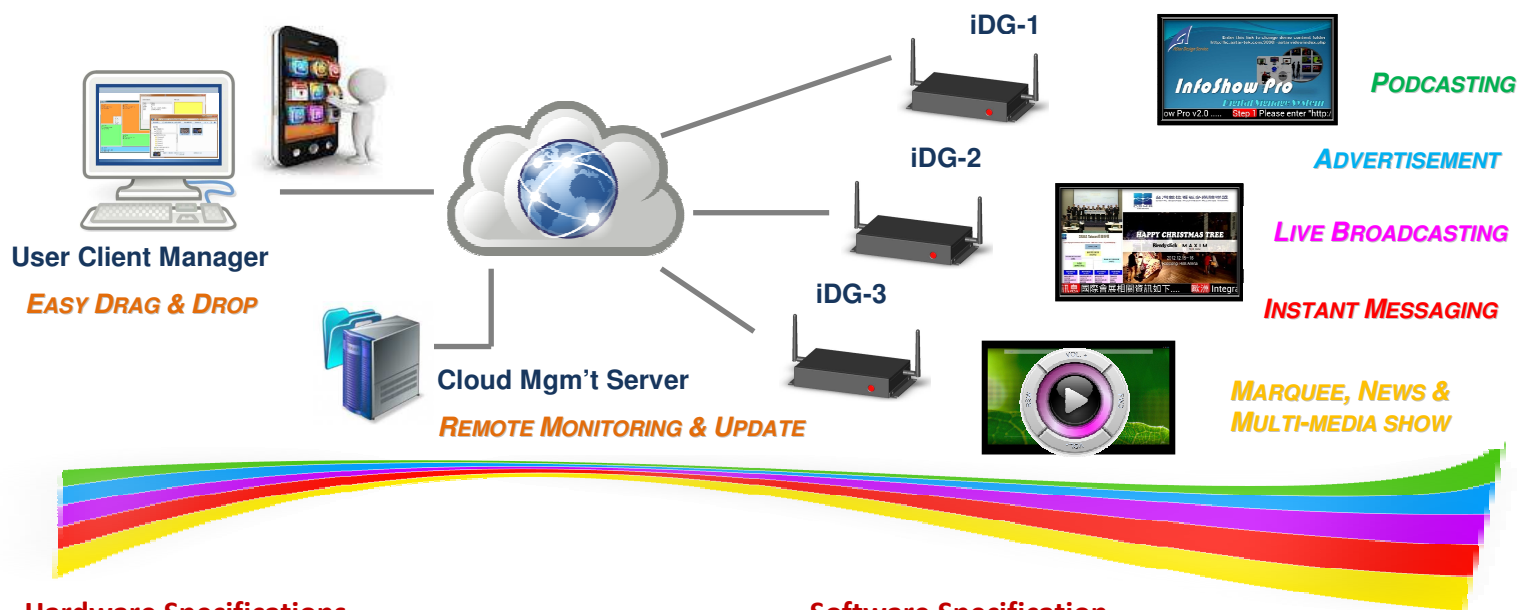


# iDG-2100

Interactive Digital Signage with UHD & HEVC Ready

## Interactive Digital Signage



### Hardware Specifications

CPU	ARM Cortex A7	3D GPU with OpenGL ES2.0 & Multi-core 1.2GHz
Video	Decoder	Ultra HD 2160p, HEVC H.265
	Encoder	MP@L5.0 High-Tier
	Format	Up to 720p 30fps, H.264 HP@L4.2
Photo	Format	HD JPEG upto 32Kx32K
Audio	Format	MPEG audio, WMA, WAV
Memory	eMMC / DDR3	4GB / 1GB
Connectivity	Wired	Gigabit Ethernet (RJ45)
	Wireless	WiFi 802.11 b/g/n & BT 4.0 (optional)
I/O	Audio	Headphone-out x1
	HDMI	HDMI IN x1, HDMI OUT x1
	USB	SuperSpeed USB3.0 Host x2, OTG x1
	MemCard	MicroSD x1
	m-SATA	2.5" SSD or HDD drive X1(internal)
	WiFi/3G Antenna	Single Pod x4 (optional)
RTC		H/W Watchdog Timer with RTC
Power	Input	+12V DCV
	Consumption	2A (typical)
	Power Switch	Power-On Switch x1
Operating	Temp	0°C to 40°C (32°F to 104°F)
Condition	Humidity	20% to 90% (No condensation)
Wall mount		Brackets & screws (optional)
Dimension	Physical with stand	(W)188 x (D)113 x (H)36 mm
Weight	Net with stand	< 1Kg
Certification		CE, FCC Class A

### Target Applications



### Software Specification

- **Ultra HD 2160p & HEVC video playback**
- **AStar InfoShow package** (Standalone version)
  - ✓ HTML5-based Layout planner utility for floor-planning & slideshow management
  - ✓ Configurable Scrolling Text (upto 4 sets)
  - ✓ Multi-format picture show
  - ✓ HD video playback
  - ✓ Quick content update by USB disk
  - ✓ Expandable to Cloud-version to enable interactive content update through Cloud-based Host-Client server (Cloud version)
  - ✓ Remote server management & content-refreshing (Cloud version)
- **Video Transcoding thru HDMI-IN support**
- **Start-of-art Android-based application platform** with wide-varieties of APP market support
- **Wide range of connectivity support** (Gigabit LAN, Wifi b/g/n, Bluetooth 4.0) for Web/Cloud content access
- **Android 4.4 compliant**



HDMI™



**AStar Design Service Technologies Co. Ltd.**

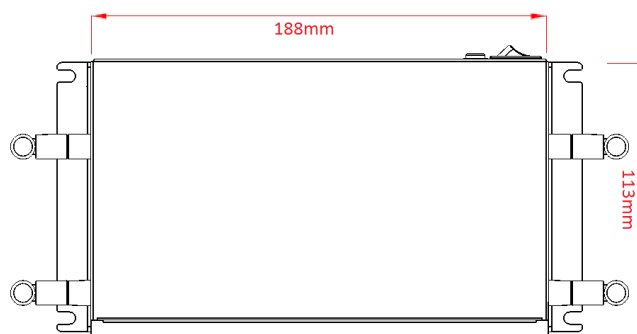
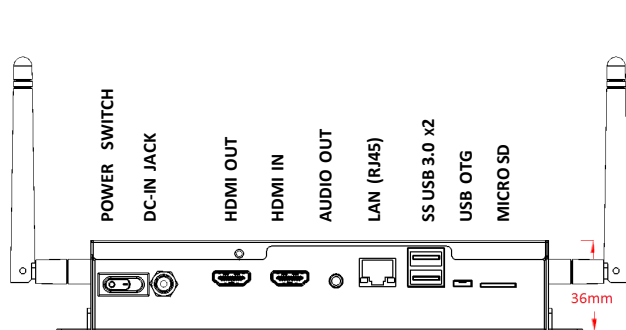
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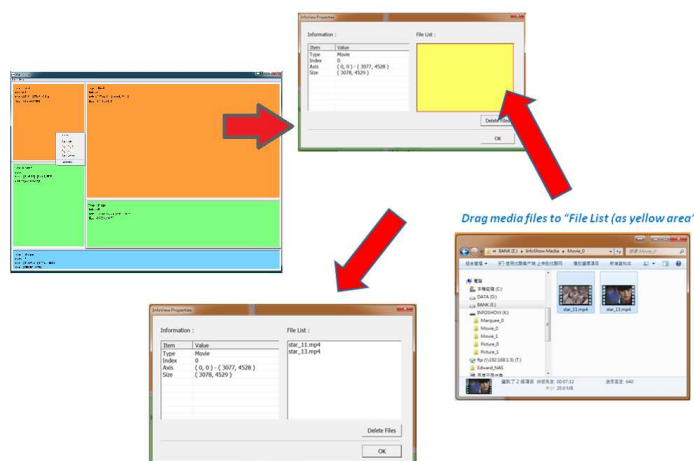


## Dimension



## HTML5-based Layout Planner utility

User-friendly utility to easily drag & drop for multi-screen floor-planning & slideshow management



## InfoShow Feature Highlights :

- **Intuitive Touch, Smooth, Responsive User I/F**
- **Fully-Customizable Slideshow Operations**
  - Including floor-planning, pre-assigned contents, display size, swap time control, etc., whether under active or idle mode, to easily show video, images, graphics, or text
  - Support Auto-show after system power-on
- **Configurable Marquee** (up to 4 sets)
- **Multi-video with No Lag**
  - HD Video x1, Rotating Image x2, Video-In x1
- **Web-based Content Management Support (Cloud version)**
  - Built-in web-links to seamlessly fetch & integrate real-time info
  - Easy to update your dashboard, promote specials & keep other time-sensitive content updated
- **Emergent or Interrupted Message Broadcast (Cloud version)**
  - Flexible for management/contact reminder or urgent conditions handling, etc.
- **Remote Management by Customized IT Integration Support (Cloud version)**
  - Remote status update/control, such as real-time inventory or asset checking, via internet link

## Ordering Information

Part Number*	CPU Platform	Display	Connectivity	Panel I/O
IDG-2100	ARM Cortex A7 Multi-core with 4GB eMMC & 1GB DDR3	HDMI-OUT	Gigabit LAN	LAN RJ45, HDMI-IN/OUT, USB3.0 x2, USB OTG, Audio-out, MicroSD, DC-Jack, Power-Up Switch
IDG-210W	ARM Cortex A7 Multi-core with 4GB eMMC & 1GB DDR3	HDMI-OUT	Gigabit LAN & WiFi b/g/n & BT4.0	LAN RJ45, HDMI-IN/OUT, USB3.0 x2, USB OTG, Audio-out, MicroSD, DC-Jack, Power-Up Switch
Optional Item	Part Number	Description		
DC Power Adapter	IDG-2100-P01	Universal 110~240VAC input Cat-A type, output 12VDC 2A(typical) output		
WiFi daughter card	IDG-2100-A01	iDG-2100/210W WIFI daughter card (including wire-antenna)		
WiFi Antenna Pod	IDG-2100-A01W	iDG-2100/210W WIFI Antenna Single-Pod		
3G/4G Antenna Pod	IDG-2100-A01G	iDG-2100/210W 3G/4G Antenna Single-Pod		
Wall Mount Bracket	IDG-2100-M01	iDG-2100/210W Wall mount kit, RoHS		

\* Black-color Chassis with Power adapter accessory(universal 110~240VAC Cat-A type, 12VDC output)