iDG-1000

Interactive Digital Signage with FHD & InfoShow

Interactive Digital Signage

iDG-1

iDG-2

iDG-2

InfoShow Pro

PODCASTING

ADVERTISEMENT

LIVE BROADCASTING

INSTANT MESSAGING

MARQUEE, NEWS & MULTI-MEDIA SHOW

User Client Manager

EASY DRAG & DROP

Cloud Mgm't Server

REMOTE MONITORING & UPDATE
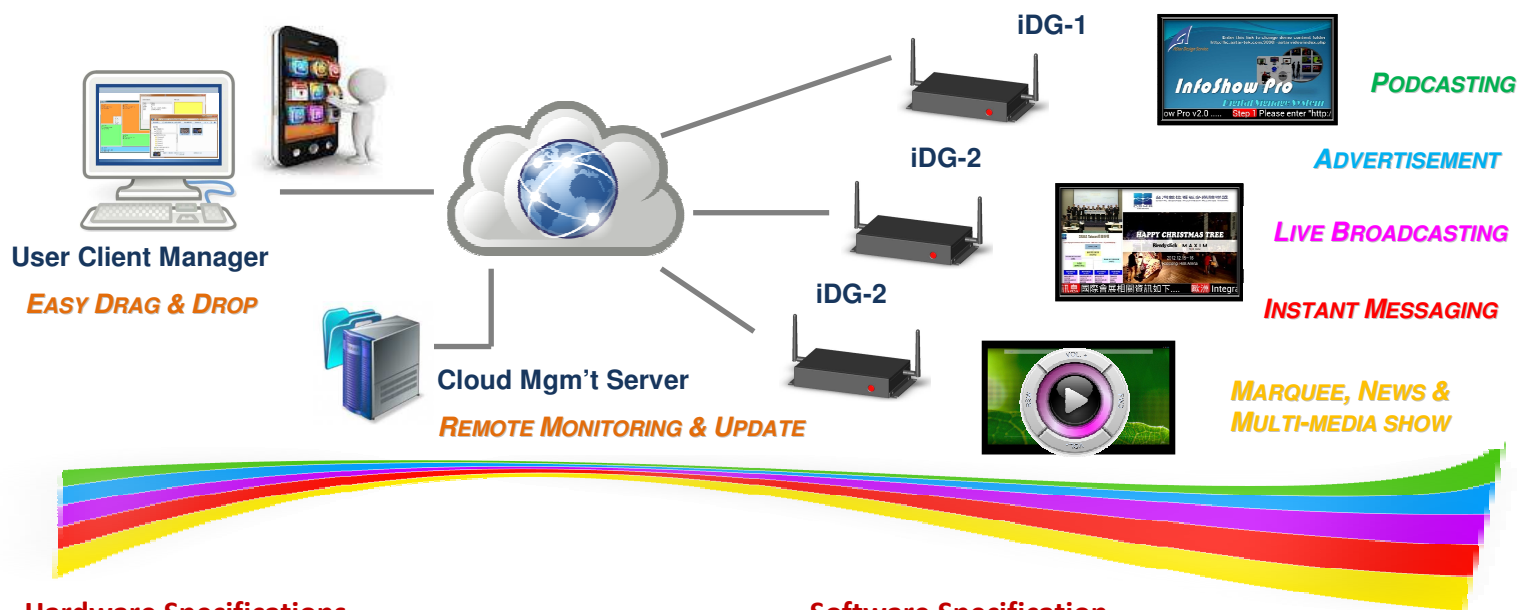
Hardware Specifications

CPU	ARM Cortex A9 Dual-Lite 1.0GHz	3D GPU with OpenGL ES2.0 & OpenCL EP, OpenVG 1.1 support
Video	Decoder	FHD 1920x1080, H.264 HP@60i/30p
	Encoder	Upto 1080p30 H.264 BP or Dual 720p
	Format	H.264, MPEG-1/2/4, VC-1
Photo	Format	Baseline ISO/IEC 10918-1 compliance
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 OUT x1
	USB	HS USB2.0 Host x2, OTG x1
	MemCard	MicroSD x1 (internal)
	mPCIe	mPCIe I/F 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 Condition	Temp	0℃ to 40℃ (32℉ to 104℉)
	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

Software Specification

- **Up to FHD 1920x1080 H.264 video playback**

- **Simultaneously Dual FHD 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 (x2)
    ✓ 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)

- **Start-of-art Android-based application platform** with wide-varieties of APP market support

- **Wide range of connectivity support** (Gigabit LAN / WiFi abgn / Bluetooth 4.0) for Web/Cloud content access

- **Android 4.3 compliant**
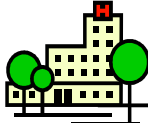
Target Applications

Education & e-Learning

Retail & Chain-store

Delivery & Transportation

Hospital & Healthcare

Office & Business

Bank

Government & Public Service

Astar Design Service

Dimension

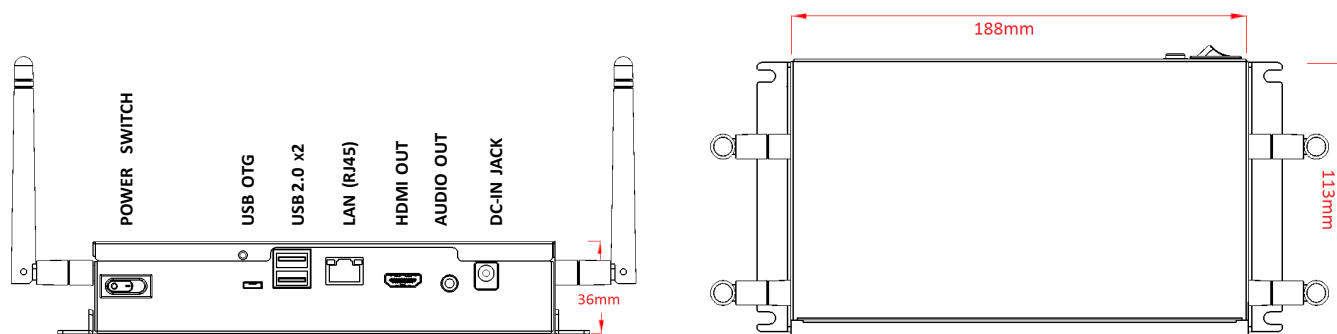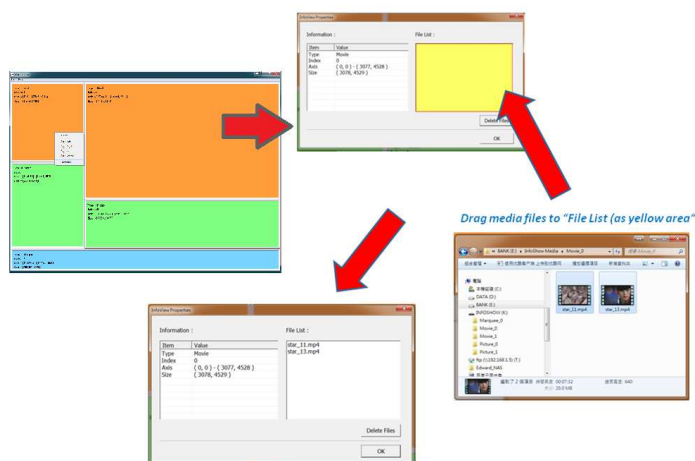
188mm

113mm

36mm

HTML5-based Layout Planner utility

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

Drag media files to "File List (as yellow area)"

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-1000	ARM Cortex A9 Dual-Lite with 4GB eMMC & 1GB DDR3	HDMI-OUT	Gigabit LAN	LAN RJ45, HDMI Out, USB2.0 x2, USB OTG, Audio-out, DC-Jack, Power-Up Switch
IDG-100W	ARM Cortex A9 Dual-Lite with 4GB eMMC & 1GB DDR3	HDMI-OUT	Gigabit LAN & WiFi b/g/n & BT4.0	LAN RJ45, HDMI Out, USB2.0 x2, USB OTG, Audio-out, DC-Jack, Power-Up Switch

Optional Item	Part Number	Description
DC Power Adapter	IDG-1000-P01	Universal 110~240VAC input Cat-A type, output 12VDC 2A(typical) output
WiFi daughter card	IDG-1000-A01	iDG-1000/100W WIFI daughtercard (including wire-antenna)
WiFi Antenna Pod	IDG-1000-A01W	iDG-1000/100W WIFI Antenna Single-Pod
3G/4G Antenna Pod	IDG-1000-A01G	iDG-1000/100W 3G/4G Antenna Single-Pod
Wall Mount Bracket	IDG-1000-M01	iDG-1000/100W Wall mount kit, RoHS

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

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