

## PRODUCT INFORMATION – PERSEUS



**HD  
ready  
1080p**



**HDMI™**  
HIGH DEFINITION MULTIMEDIA INTERFACE



**truHD™**  
POWERED BY INNOVIA  
(for PAL areas)



*Supports*  
**100Hz**



**PERSEUS®** Production-ready / copy-ready LCD TV chassis designed to provide outstanding video and audio performance. The frame-based chassis offers both Standard and High Definition (SD & HD) de-interlacing as well as picture and sound improvements for LCD panels ranging from 32" to 65" (1080p HD 100/120Hz).

The PERSEUS chassis addresses the necessary requirements for analogue TV. The PERSEUS chassis solution is a highly cost effective solution that incorporates the benefits of motion blur removal with a fully integrated one chip solution, viewers can enjoy better motion at a very affordable price. IKONVERGENZ PERSEUS mass production-ready chassis solutions offer LCD TV manufacturers a fast-time-to-market solution to address the demanding LCD TV market.

### FEATURES

- ▶ Production-ready LCD TV solution
- ▶ 1080p 50 / 60Hz or WXGA 100 / 120Hz
- ▶ Speaker Enhancement
- ▶ Frame based de-interlacing (HD + SD)
- ▶ Designed for manufacturing
- ▶ HDMI 1.3 / HDCP 1.1
- ▶ Motion blur removal
- ▶ Advance Picture Setting
- ▶ Supports up to 10 bit panel



# TECHNICAL SPECIFICATIONS

## PERSEUS Chassis

<b>Display</b>	<b>Screen Size (diagonal)</b>	Recommended for 32" to 65" Panels (WXGA 120Hz or 1080p HD 50/60Hz)
	<b>Screen Aspect</b>	Supports 4:3, 15:9 and 16:9 Panels
	<b>Panel Supported *</b>	Supports SAMSUNG, LG, AUO Panels
	<b>Contrast Ratio</b>	Panel Dependent
	<b>Brightness</b>	Panel Dependent
	<b>Response Time</b>	Panel Dependent
<b>Picture</b>	<b>Picture Mode</b>	Standard / Soft / Rich / User
	<b>Film Mode Detection</b>	Yes
	<b>Noise Reduction</b>	High / Medium / Low / Off / Auto
	<b>De-interlacing</b>	Frame-based
	<b>Aspect Ratio</b>	16:9 / 14:9 / 4:3 / Zoom / Auto Detect / Panorama
	<b>3D Comb Filter</b>	Yes
	<b>Digital Comb Filter</b>	Yes
	<b>CSE / SCE / NCE / BE</b>	Yes
	<b>Contrast Compensation</b>	Yes
	<b>Image Enhancement</b>	Yes
	<b>Progressive Processing</b>	Yes
	<b>Advance Settings</b>	Yes
	<b>Motion Blur Removal</b>	Yes (HD and SD)
<b>System</b>	<b>RF</b>	V / U / Cable / Hyperband
	<b>TV System</b>	PAL I / BG / DK / 60 SECAM BG / DK / L NTSC M / N
	<b>100-P Auto-Search Tuning</b>	Yes
	<b>Broadcast Stereo Reception</b>	Nicam / A2
	<b>Component Video</b>	480 i/p, 576 i/p, 720 p, 1080 i/p, 1080p 24, 50/60
	<b>DVB-T</b>	Module Available
	<b>Teletext Reception</b>	Level 1.5 TOP / FASTEXT / Standard Text
	<b>Teletext pages</b>	Up to 2000
<b>Audio</b>	<b>Audio Power (RMS)</b>	2 x 15 W
	<b>Audio mode</b>	Normal / Music / Movie / Classic / Voice / User
	<b>Auto Volume Leveler (AVL)</b>	Yes
	<b>Graphic Equalizer</b>	Yes
	<b>Bass Enhancement</b>	Yes
	<b>Speaker Enhancement</b>	Parametric Equalization
<b>Operation</b>	<b>OSD Languages</b>	German, French, Italian, Spanish, Portuguese, Dutch, Swedish, Norwegian, Finnish, Turkish, English, Asia Pacific Language
	<b>Sleep Timer</b>	Yes
	<b>On Timer</b>	Yes
	<b>PIP / PAP / POP / PAT</b>	Yes / Yes / Yes / Yes
<b>Terminals</b>	<b>AV1</b>	YPbPr / Audio L+R
	<b>AV2</b>	SCART (FULL)
	<b>AV3</b>	SCART (FULL)
	<b>AV4 (Side AV)</b>	S-Video / CVBS / Audio L+R / HDMI
	<b>Side HDMI</b>	Yes
	<b>Audio / Video Output</b>	Yes
	<b>SPDIF Out (TOS Link)</b>	Yes
	<b>Audio Monitor Output</b>	Yes
	<b>Headphone Jack</b>	Yes
	<b>HDMI 1.3 / HDCP 1.1</b>	x 4
	<b>PC Input (with Audio Input)</b>	Yes
<b>General</b>	<b>AC Power Supply</b>	Internal AC 110 / 240
	<b>Power Consumption</b>	< 1W in standby (Dependent on Power Supply Unit); Max power dependent on panel
	<b>Main PCB Dimension</b>	305 mm x 170 mm

\* Other brands require about 2 months to customize.  
Specifications may be subjected to change without notice.

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STANDARD COMPLIANT  
**FC CE ETS 300-744**  
DS-IK 0043E/0807