

iMeter



Automatic People Meter

- Remote control based viewer login/logout with display
- On/Off probe for TV
- Analog tuner
- Frame Grabber for digital TV
- Easy to use device configuration

General Specification

iMeter is a user friendly data logging device designed for automatic audience measurements. Its benefits are easy installation and flexible measurement configurations. Full communication and data record compatibility with Eurometer and MMeter allows seamless panel updates.



Measurement

On analogue broadcasting environment, built-in analog tuner is used for viewing TV channels, while Frame Grabber can be used as a back-up.

On digital broadcasting environment Frame Grabber can be included as module.

As up to five devices can be connected by SCART cables through iMeter, information about DVD viewing, game console playing etc. is also logged.

Multi receiver solution

Today's households typically contains more than one TV receiver. With iMeter and its wireless local area network, measurement of all receivers are handled as one household.

iMeter supports all kind of receivers, regardless of their technology; LCD TVs, plasma TVs, video projectors, analog, digital, satellite, cable terrestrial etc.

Integration to production

iMeter collects data as required for production software. Communication to central office computer can be made by landline connection or by wireless network.

Technical specification

	iMeter	MMeter
Dimensions	360 x 200 x 60 mm Note: excluding the cables	
Power supply	14...30 VDC / maximum 48 VA, 2.1 mm DC plug Note: power consumption depends on installed modules	
Operating temperature	+5 to 40 °C	
Controller	Xilinx uBlaze core running on Spartan XC3S500E-4 at 70 MHz 64 Mb FLASH, 64 Mb SDRAM	Fujitsu MB90F533A running at 8 MHz 16 Mb FLASH, 4 Mb SRAM
Embedded FG Controller	2 Xilinx uBlaze cores running on Spartan XC3S1600E-4 at 70 MHz 64 Mb FLASH, 512 Mb SDRAM	Not Available
External Interfaces		
Video	5 input SCART connectors and one TV output SCART connector Pinning and levels as EN 50049-1/A1:1998 defines	
IR Interface	2 Telco 4 connectors IR code receiver and transmitter, CMOS level signals	
RS-232	Telco 8 connector RS-232 signals, RS-485 levels as EIA RS-485 defines	
PC Interface	USB B connector As USB 2.0 defines	USB B connector As USB 1.1 defines
Internal Interfaces		
FG	50 pin connector Video signals levels as EN 50049-1/A1:1998 defines	
Modem	12 pin connector, CMOS and RS-232 level signals	
Tuner	Built-in multi standard tuner Channels E2 to E69 CCIR L/L', B/G, I and D/K systems AM/FM-Mono, FM-Stereo (A2, D/K, D/K1, D/K2, D/K3), NICAM sound demodulation	18 pin connector CMOS control signal levels Video signal levels as EN 50049-1/A1:1998 defines
Wireless module	50 pin connector for wireless GPRS	Not available
PC/OS requirements		
Operating system	Windows XP/2000 operating system with Meter Setup installed.	

Options available:

- Frame Grabber (FGM)
- RF-link
- ONOFF or PONOFF probes
- GSM/GPRS or landline modem (MIAMOD)
- Digital tuner

DA-Design Oy

Keskuskatu 29

FI-31600 Jokioinen

FINLAND

Tel. +358 3 4246 2400

Fax +358 3 4246 2499

www.da-design.fi

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