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## PSE Broadcaster Genie

Enable Internet and Mobile video calls broadcasting on TV



### PSE Broadcaster Genie

Mirial PSE Broadcaster Genie is a turn-key appliance enabling IP and Mobile video calls to be broadcast on television. It handles both live and recorded video calls, automatically transcoding them to SDI output and providing broadcasting studios with the advantages of easy and secure video contents screening, moderation, mixing and streaming.

Working with both Windows and Mac and fully interoperating with any 3G handset, PSE Broadcaster Genie allows users to appear on their favorite TV Show by placing a standard video call.

Broadcasters can thus capture the audience with fun, interactive Participation TV shows, while generating extra-revenues from mobile Premium video services.

### Highlights

- ➔ All-in-one, plug-and-play solution
- ➔ Support for live and contribution feeds
- ➔ No need to install any software
- ➔ High-quality HSPA/Internet/IP video calls
- ➔ Scalable solution
- ➔ Unlimited SDI video outputs
- ➔ Simple web-based administration console
- ➔ Integrated customizable Video IVR for waiting room
- ➔ Whitelists/blacklists settings for callers screening

### Features and Benefits

PSE Broadcaster Genie is the broadcaster-friendly solution for video Participation TV: it allows for the broadcast of IP and Mobile video calls on TV, enabling innovative Participation TV Shows, Live Events broadcasting and compelling breaking news.

Transcodes video calls to SDI output	Seamless integration with any broadcasting studio equipment
Support for live and recorded video calls	Enables Participation TV Shows, Live Events and <i>Breaking News</i> video calls broadcasting
3G Handset and operator-independent, connects to ISDN interfaces	Generates new revenue streams from mobile Premium video services

# PSE Broadcaster Genie (PSE.BCG) Specifications

## 3G supported protocols

Accepts videocalls from any standards compliant 3G Handset

3GPP-324M, ITU-T H.324M

ITU-T H.223 (Annex A, B), ITU-T G.711 (Audio only calls)

## Audio Codecs

Standard: G.711  $\mu$ -law / A-law, G.723.1, AMR (all 8 rates)

AMR <-> G.711, AMR <-> G.723.1 online transcoding

## Video Codecs

Standard: H.263, H.264

Size: 4CIF (704x576), CIF (352x288), QCIF (176x144), SQCIF (128x96)

Framerate: up to 30 fps

## Management

Embedded web server

Ajax-based web interface

Support for SNMP MIBs

Comprehensive CDRs and Logs

## Additional Features

Blacklist / Whitelist

Support for outbound video calls

Support for 3G video calls

Support for IP (SIP) video calls

Embedded Video IVR

## Ethernet Interfaces

2 x Gigabit Ethernet

## ISDN BRI and PRI Interfaces

BRI Basic rate interface (RJ45 connector)

Protocols: ETSI-DSS1 (Euro-ISDN), NET3 (Belgium), VN3/VN4/VN6 (France), 1TR6 (Germany), INS-64 (Japan), 5ESS Custom (North America), National ISDN (North America), OnRamp (Australia), Nortel DMS100

PRI Primary rate interface (E1/T1/J1, RJ45 connector)

Protocols: ETSI-DSS1 (Euro-ISDN), NI-1 (North America, National ISDN 1), 1TR6 (Germany), NET3 (Belgium), VN3 (France), VN4/6 (France), 4ESS (North America, Lucent, AT&T), 5ESS (North America, Lucent, AT&T), DMS100 (North America, Nortel), INS-1500 (Japan), E1 (China), E1 (India), OnRamp (Australia), Nortel DMS100, Siemens EWSD

## Video/Audio Interfaces

SDI input: PAL or NTSC, with embedded audio

SDI output: PAL or NTSC, with embedded audio

Analog video input: Component YUV, S-Video, Composite, Genlock

Analog video output: Component YUV/RGB, S-Video, Composite

Digital audio input: SDI-embedded, AES/EBU, AES-3id

Digital audio output: SDI-embedded, AES/EBU, AES-3id

Simultaneous video input and output with bicubic interpolation

## System Capacity

Model	Ports	Size	Notes
PSE.BCG_01	1	2U	1 3G port on BRI interface. 1 SDI output
PSE.BCG_04	4+4	2U	4 3G ports on BRI interface (+4 IP sip ports). 1 SDI output
PSE.BCG_08	8+8	2U	8 3G ports on BRI interface (+8 IP sip ports). 1 SDI output
PSE.BCG_15	15+15	2U	15 3G ports on PRI interface (+15 IP sip ports). 1 SDI output
PSE.BCG_30	30+30	2U	30 3G ports on PRI interface (+30 IP sip ports). 1 SDI output
ADD_SDI_OP	-	1U	(optional) Additional SDI output board

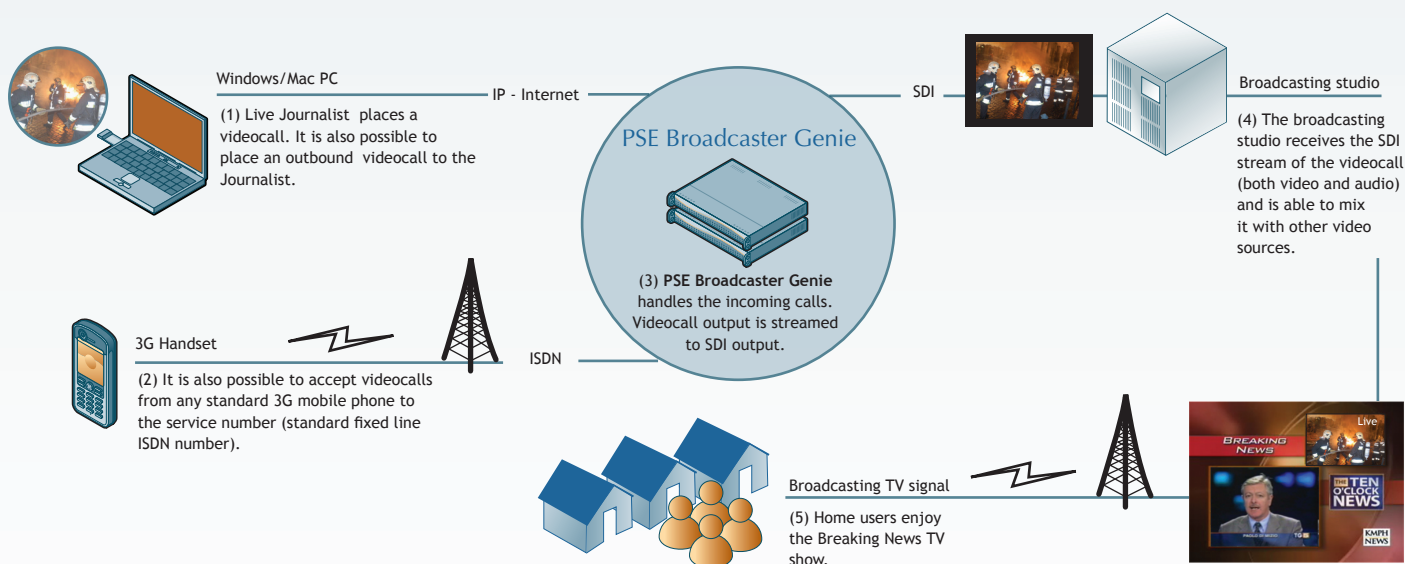
## Hardware

19" rack mountable (2RU)

Height 88 mm, Width 433 mm, Depth 419 mm. Weight 19.9 kg

Power 2 x 100-240 VAC, 50/60Hz. 250 W max power consumption

## PSE Broadcaster Genie sample deployment scenario.



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