



Guide to DVB Mobile TV Products & Services Mobile World Congress '08

The DVB Project provides a complete set of open, interoperable technical standards for the delivery of mobile TV services. DVB-H, published in 2004, is the leading standard for broadcast mobile TV. It has been the subject of more than 50 trials worldwide and services are on air in ten countries. More recently DVB-SH has been developed. It's designed to be used in S-band, delivering mobile TV through hybrid satellite/terrestrial networks. Both DVB-H and DVB-SH are physical layer specifications, and can be used in parallel with the DVB-IPDC systems layer specifications. These cover such aspects as the overall system architecture, ESG, content delivery protocols, service purchase and protection, etc...

See www.dvb-h.org for more information.

DVB Mobile TV is live on air at MWC'08! Abertis Telecom, the main broadcast network operator in Spain, is the official Mobile TV Network Provider for the event. The DVB-H network is composed of four dedicated multiplexes, with four separate platforms. Outdoor and indoor coverage is assured throughout the fairground. The four platform operators are Nokia, Nokia Siemens Networks, Thomson and Alcatel-Lucent. The Nokia platform offers citywide coverage. A DVB-SH platform, provided by Alcatel-Lucent and partners, is also on air. For more information about the technical parameters of these transmissions, visit: www.dvb-h.org

Visit the DVB Project at Booth Number: 2.1 E91

Company	Stand	Description
3 Power - H3G S.p.A.	2.1-A85	Live demo of DVB-H services as they are offered in Italy by 3 Italia, the company that was worldwide the first to launch DVB-H.
Abertis Telecom	CY14	Official Mobile TV Network Provider for MWC'08 deploying DVB-H and DVB-SH networks as well as several other technologies. Integration of different CAS and interactive services over several platforms.
Abilis Systems - Kudelski Group	4.4-HS02	Abilis Systems introduces the world's smallest DVB-H single-chip receiver.
Alcatel-Lucent	8-A96/ 142/147 & C25	S-Band coverage at FIRA, live Mobile TV using DVB-SH ready Sagem and Samsung handsets, Mobile TV workshop with ICO Global Communications.
Audemat	2-H38	Three new features for the Audemat NAVIGATOR DVB mobile measurement unit: mobile trace, reference design validation and data export to simulation software, all designed for Mobile TV operators and DVB-H receiver manufacturers.
Axel Technologies	3.1-HS03, 2-B82	See Salmonstream live! DVB-H OMA-BCAST/DVB-IPDC Middleware featuring uniform, all-in-one multistandard Java-based Mobile TV Client with Interactive Services
Broadcast Mobile Convergence Forum (bmcoforum)	2-B82	Hybrid mobile TV solutions combining 3G, DVB-H and DVB-SH; DVB-H/IPDC and OMA-BCAST based implementations of ESG and SPP; Tools and services for platform and network design, planning, set-up, operation, monitoring and optimisation; Interactive Mobile TV and Radio; Audio/video encoding encryption solution and latest chip developments.

Broadcom Corporation	4.1-HS02	Broadcom will be demonstrating its highly integrated, very low power single-chip DVB-T/H receiver in 65nm digital CMOS.
castLabs GmbH	2-B82	Demonstration of fully-fledged, integrated turn-key mobileTV broadcasting and streaming service delivery platform with end-to-end use cases and DVB-H live stream.
Cisco	8-A51	Cisco and Scientific Atlanta are showing a live DVB-H broadcast including a video headend with ESG, satellite/ATM/IP-based distribution, monitoring and broadcast to mobile handsets.
DiBcom	2.1-D30	Showcasing different Mobile TV solutions for handhelds and mobile phones including the launch of the world's first complete DVB-SH / H / T receiver (dual RF tuners & demodulators).
DMT System	2-F37	DMT's transmitters, chosen for many DVB-H implementations worldwide, will be used to demonstrate a DVB-H multinetwork service developed by Telecom Italia.
Dtv group, University of Turku	2-C102	Dtv group offers R&D and consultation within DVB standards. During MWC2008, DVB-H LITE with mobile multinetworking platforms is demonstrated.
ENENSYS Technologies	2-F49	Mobile TV end-to-end solutions: Broadcast Network equipment: H264 Transcoder, DVB-H IPE, SFN Adapter, MPEG2 over IP Interface, Modulator, Amplifier; Test & Monitoring: DVB-H RF field analyzers.
Envivio Inc.	2-H12	Live demonstration of the high quality end user experience achieved using Envivio's statistical multiplexed 4Caster M2 DVB-H video compression platform.
EXPWAY	2-D116	Demonstrating FastESG, a field proven Mobile TV Solution, conforming to DVB-IPDC and OMA-BCAST; allows operators, broadcasters and manufacturers to secure their mobile TV projects and deploy revenue generating services over several networks.
Fraunhofer-Institute for Integrated Circuits IIS	2-F41	Fraunhofer IIS presents DVB-H server and player solutions with MPEG-4 AVC, MPEG Surround with HE-AACv2 and binaural rendering for headphones.
Gemalto	8-A102	Gemalto showcases OMA-BCAST SIM cards and rapidly deployable audience measurements solutions, as well as micro SD cards for DVB-H unconnected devices
Giesecke & Devrient	8-B65	Giesecke & Devrient will demonstrate SIM card solutions for securing Mobile TV content.
Icareus Ltd.	2-C102	Interactive TV expert Icareus will publish mobile TV related projects and products. Icareus MBL, DVB-H in-a-box, will also see an upgrade.
IMAGINATION TECHNOLOGIES	2-A05	Demonstrating the ENSIGMA UCC IP core family, supporting DVB-H/T demodulation and a range of POWERVR video technologies.
Infineon Technologies AG	1-B19	INFINEON OMNIVIA TUS 9090, System-On-Chip for DVB-H/T Mobile TV Receiver using SDIO interface on PDA. This monolithic chip integrates Tuner, Demodulator and Memory for multiservice usage
IRDETO	2-H33	Service & Content protection solutions for mobile TV based on DVB-IPDC Open Security Framework (SIM and microSD) and OMA BCAST SmartCard Profile. Both solutions are demonstrated as well as the Simulcrypt of the two systems.
Jaybeam Wireless	1-E64	High performance directional panel and omni directional antennas for DVB-H base stations in the VHF and UHF frequency bands.
LG Electronics Inc	8-B192, B197	You are cordially invited to visit the LG booth, where LG will be demonstrating DVB-H (OMA-BCAST) for Mobile Digital TV.
LS telcom AG	2-B82	LS telcom specialises in planning, coordination and optimisation of DVB-H, hybrid and broadcast networks through its multi-standard software solutions, consulting and engineering services.
Micro-Star INT'L CO., LTD	4.7-HS01	Please visit the Intrinsic hospitality suite for a GPS Smartphone DVB-H demo.
MIER COMUNICACIONES, S.A.	CY14	MIER COMUNICACIONES shows its portfolio of coverage expansion solutions for Mobile TV. The official Mobile World Congress 2008 DVB-H signal is broadcast with MIER COMUNICACIONES transmission equipment.

Motorola	8-A152, A159	Live demonstrations of DVB-H enabled handsets and solutions.
Nagravision - Kudelski Group	4.4-HS02	Nagravision brings Mobile TV to mass market with the first OMA-BCAST Smart Card solution and Mobile TV MicroSD card.
NDS	AV-100	Content protection and other software applications for hybrid (DVB-H and OMA-BCAST) mobile TV services and fixed-mobile convergence.
Newport Media Inc.	2-H04	Newport Media will demonstrate DVB-T and DVB-H IC products incorporated in a variety of portable consumer products
Nokia	8-B169	Experience live DVB-H Mobile TV and familiarise yourself with related systems and terminals with Nokia specialists at the Nokia stand.
Nokia Siemens Networks	8-B157	Free-to-air and protected Mobile TV services over DVB-H based on OMA-BCAST, broadcast all over FIRA on channel 28. Demonstration of interactivity, mobile advertising and handover between DVB-H and the 3G network.
Rohde & Schwarz	1-D59, C50	A comprehensive DVB-H product portfolio including Mobile TV transmitters, Gap Fillers and Conformance Testing Equipment is showcased.
ROSE Vision	Port Forum	A demo of DVB-T mobile and DVB-H while sailing on board a Cruisers Yachts 390 coupe boat running through the Barcelona coastal areas.
RRD-Reti Radiotelevisive Digitali S.p.A.	7-F22	RRD shows the GTO, its new Generation Operations Support System for Digital TV layouts and networks.
Samsung Electronics Co., Ltd.	1-D33	Samsung Electronics proudly demonstrates the world's first 65nm channel Decoder RF SoC S3C4F60 which supports global TV standards including DVB-H/T.
Siano Mobile Silicon Ltd.	4.5- HS44	Siano demonstrates its new generation of MDTV receiver, the SMS11XX, showcasing the best mobility, power consumption and performance.
SIDSA	2-J41, CY14	Live DVB-H transmission using POLARplus headend (including open loop stat mux). The new DVB-H demodulator and processor chipset: Enter E1.
SiRF Technology	1-F06	SiRF is demonstrating a breakthrough single-chip, diversity-enhanced solution that sets a new performance benchmark for digital TV for mobile devices.
Sofia Digital	1-F07	Sofia Digital demonstrates interactive mobile TV solutions for DVB-H including channel management, EPG, filecasting and Teletext. Live demonstrations on Abertis network.
Telegent Systems	2.1-C59	World's first "Quad-Mode" mobile TV receiver combining live, free-to-air TV (DVB-T/PAL/NTSC) and DVB-H. View field trial videos and production product shipping worldwide.
Thin Multimedia, Inc.	7-B59	TMI demonstrates DVB-IPDC ESG and OMA-BCAST SG with key features such as Super FCC and Interstitial Video Advertising insertion.
Thomson	2-B17	Complete MobileTV solution demonstrating OMA-BCAST Smartcard Profile and DVB-IPDC Open Security Framework. Thomson's DVB-H system is showcased by MWC'08 official broadcaster Abertis Telecom.
Ubipart	2-B82	While watching a sports broadcast, viewers have access to latest results and an on-line store, they can watch video clips of highlights and they can subscribe to alert services.
UDcast	2-B89	Global leader in network head-end (IP Encapsulators), monitoring and local content distribution solutions for DVB-H, DVB-SH and WiMAX standards.
V4x The Mobile TV Factory	2-G51	V4x Mobile TV Factory demonstrates Mobile Interactive TV, compatible with DVB-H OMA-BCAST, combining video broadcast with synchronised datacast of interactive scenes for Votes, CallTV, Links etc.