

DVB CSA2 Common Descrambling/Scrambling Algorithm Licensees

Company	Country
2WCOM	Germany
Aastra	USA
Aastra	USA
Abilis Systems	Switzerland
Academy of Broadcasting Science	China
Academy of Broadcasting Science	China
Access Control and Security General Instru	USA
Access Devices Group	UK
ACER Inc.	Taiwan
ACME Microsystem Inc	Taiwan
ADI Corporation	Taiwan
ADI Video Tech Ltd	Israel
ADTEC Digital Inc	USA
Advanced Digital Tech.	Korea
Advantech AMT	UK
Alcatel Business Systems	France
Alcatel Italia	Italy
ALI Corp	Taiwan
Allwinner tech	China
Altech Auto Security Co	Taiwan
Ambrado Inc	USA
Amino Technologies	UK
Amphion Semiconductor	Ireland
AMT Ltd.	Korea
Analogue Devices (ADI)	USA
Angel Iglesia (IKUSI)	Spain
Angel Iglesias	Spain
Appear TV	Norway
Araneo Advanced Video Technologies	Israel
Arcadyan	Taiwan
Archos SA	France
Arion Technology Inc	Korea
ARRIS Interactive	USA
ASE Tech. USA INC.	USA
Asia Digital Broadcast Ltd.	Taiwan
Asian Pacific Satellite Ind (APSI)	Korea
ASTON France	France
ASTRI	Hong Kong
ATEME France	France
ATI Tech	Canada
ATMEL ES 2 France	France

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Company	Country
Augusta Technology (Alliantek Inc)	USA
Avail Media Inc	USA
Availink	USA
Avias Tech Int. Inc.	Taiwan
AZ Technology Co. Ltd.	Korea
Barco Ltd.	UK
Beijing Digital Video Tech	China
Beijing Jaeger Communications	China
BETA Technik	Germany
Bigband Networks	USA
Blankom GmbH	Germany
Blossoms Digital Tech co	China
BLT Italia srl	Italy
Broadband Network Inc.	Canada
Broadband Pacenet	India
Broadcast Microwave	USA
Broadcast Microwave GmbH (BMS)	Germany
Broadcast Tech	UK
Broadcom corp	USA
Broadlogic Inc.	USA
B-Sky	UK
C2 Microsystems	USA
CANAL +	France
Canon Research France	France
CASA Systems Inc	USA
CASTWIN / Hoseo Telecom	Korea
Cathay Roxus Info Tech. Ltd.	China
CCETT	France
C-Cube Microsystems International Inc.	UK
Celestial Semiconductor Inc	USA
Celrun Co. Ltd	Korea
Centrality Communications Inc	USA
CEROMA LTD	Israel
Cheertek Inc	Taiwan
China Aerospace Int. Holding	Hong Kong
China Media Research co	China
Chips & Media Inc.	Korea
Chromatic Research	USA
CLI	USA
CMR - Sistemi Elettronici	Italy
COCOM A/S	Denmark

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Company	Country
COMBOX LTD.	Israel
ComStream	USA
Comtech EF data (was DIGICAST)	USA
Conax	Norway
Coolstream Tech	Hong Kong
Cortina Systems	USA
Crypton Ltd	Ukraine
Daewoo Electronics Manufacturing	France
DAGS Inc.	Korea
Dasan Networks	Korea
Dassault Automatismes & Telecom	France
Data Transmission Network Corp	USA
Datacast Corp	Canada
Datang Microelectronics Tech co	China
David Sarnoff Research Center	USA
Dee&be France	France
DELTA BETA PTY. LTD.	France
Deltacom Electronics	Bulgaria
Deutsche Telekom FTZ	Germany
DG Station Co Ltd	Korea
DG2L Tech Inc	USA
DIBCOM	France
Dibcom	France
DIGICAST was Gapview	USA
DigiMedia Vision UK	UK
Digital Devices GmbH	Germany
Digital Keystone	USA
Digital Telecom Group	Korea
Digital Viseo National Semiconductor GmbH	Germany
Digital Vision Labs. Corp.	Japan
Diva Systems Corp.	USA
DIVICOM (HARMONIC)	USA
Doctor Design Inc.	USA
DOOIN Elect. CO.	Korea
DotCom	France
DV Lab	Moldavie
DVB control realtime software (RTSS)	Netherlands
Dvision Tech.	China
DVN Technology	Hong Kong
E/elements	Taiwan
EchoStar International Co-oper	USA

DVB CSA2 Common Descrambling/Scrambling Algorithm Licensees

Company	Country
EFA Corporation	Taiwan
Egyptian Radio & T.V. Union	Egypt
Elber	Italy
Eldon Tech. Ltd.	UK
Elliptic Semiconductor	Canada
Elliptic Technologies Inc	USA
EM Technics Co Ltd.	Korea
ENENSYS Technologies	France
ENIGMA Systems France	France
Entone Tech Ltd.	Hong Kong
Eonsat	Korea
Equator Tech.	USA
Escient Div (D&M Holdings)	USA
ETRI Korea	Korea
EURO Telecom	Italy
Evertz	Canada
Evertz Microsystems Ltd	Canada
Fara Afrand Co	Iran
Force Electronics A/S	Denmark
Fracarro	Italy
France Telecom	France
FREEBOX	France
Freescale Inc	USA
FUJITSU GmbH	Germany
Fujitsu Ltd	Japan
Fujitsu Siemens Computers GmbH	Germany
FUNTACH Enterprises	Taiwan
GapView (VSL Networks)	USA
GEC Plessey Semiconductors	UK
Gemplus Groupe	France
Genesis Microchip	USA
GENIX Info Com	Korea
Gigasat	UK
GIGAWAVE	UK
GigaWave UK	UK
Goback TV	USA
Grantech co Korea	Korea
Green Wave telecommunications My	Malaysia
Grundig EMV	Germany
Haier Ic Design	China
Handan Broad Info Com	Korea

DVB CSA2 Common Descrambling/Scrambling Algorithm Licensees

Company	Country
Hangzhou Guoxin Science & Tech Co	China
Harmonic Lightwaves Ltd. Israel	Israel
Harris Communications	Austria
Helion Technology Ltd	UK
Himax Tech	Taiwan
Hitachi Europe	UK
Hitachi Home Electronics Europe Ltd.	UK
Horizon Semiconductors Ltd	Israel
Hoseo (Castwin)	Korea
Hsilicon technologies Co Ltd	China
Huawei	China
Huaya Microelectronics	USA
Hughes Europe SA/NV	Belgium
Hughes Network Systems Inc.	USA
HUMAX Co. Ltd.	Korea
Hyundai Digital Technology	Korea
Hyundai Electronics America Digital Media □	USA
i3 Micro AB	Sweden
IBEX	Japan
IBM	Germany
IBM Network Computing	Italy
Icreatop	Taiwan
IGS Technologies Inc.	USA
Imagination Technology	UK
Indigita Corp	USA
Information Equipment Co (InfoEQ)	Korea
Innomedia Tech Pvt	India
Innova Card	France
Inova Computers GmbH	Germany
INTEL Corporation	USA
Interactek	Korea
Interaxs Television Network Inc.	USA
Ipanel	China
Iphion b.v	Netherlands
IRDETO Consultants BV	Netherlands
ITRI	Taiwan
Jiangsu Yinhe Electronics	China
JingHuaJiuZhou Co Ltd	China
KaonMedia Co.	Korea
KENWOOD Corp.	Japan
KumyYoung Co Ltd	Korea

DVB CSA2 Common Descrambling/Scrambling Algorithm Licensees

Company	Country
Latens Systems	UK
LG Electronics Digital TV research Lab	Korea
LG Information & Communications	Korea
Link	UK
Liquid Xstream systems Inc	Canada
LiveTools Tech	Switzerland
Loewe Opta GmbH	Germany
LOGIWAYS	France
LSI Logic	Japan
Lucent Technologies Microelectronica	Spain
Lucky Goldstar Electronics Inc.	Germany
Magima Digital Info Co Ltd	China
Magnitude Compression Systems	USA
Magnum Semiconductor	USA
Mainstream	USA
Malleable Microsystems	USA
Marusys Co Ltd	Korea
Marvell International	Bermuda
Matra Communications (FR)	France
MATRA MHS (TEMIC)	France
Matsushita Electric Industrial Co. Ltd.	Japan
Matsushita Electrics Corp.	Japan
Mazet GmbH	Germany
MB International srl	Italy
Measurement and Control India	India
Mediamatics Inc. - National Semiconductor	USA
Mediaphy Corp	USA
MediaTek Inc	Taiwan
Memec Design Services	USA
Mentor Data System Inc.	Taiwan
Micronas Holding GmbH	Germany
Micronik Multimedia	Germany
Microsoft	USA
Microwave Communications	USA
Mindway srl	Italy
Mitsubishi Electric Corp.	Japan
Montage	China
Motorola Broadband	USA
Motorola General Instruments	USA
Motorola Inc.	Switzerland
Motorola Inc.	USA

DVB CSA2 Common Descrambling/Scrambling Algorithm Licensees

Company	Country
Motorola-NCIC	China
Moubic	Japan
Mstar Semiconductor	Taiwan
M-Systems Flash Disk Pioneers ltd	Israel
MTEKVision	Korea
MVD Cores	France
NAGRA Vision - Kudelski SA	Switzerland
National Semiconductor	Israel
nCUBE Corp.	USA
NEC Australia PTY Lt	Australia
NEC Corporation	Japan
NEC Electronics Europe	Germany
NERA Norway	Norway
Neta Elektronik Sanayi	Turkey
Netgem SA	France
News Datacom Ltd.	UK
News Datacom Research	Israel
Newtec	Belgium
NextLevel Inc.	USA
Nextream France	France
Nextream France (Grass Valley France SA)	France
Nokia Consumer Electronics	Finland
Norsat Int. Inc.	Canada
Novat tech	Korea
Novatek Microelectronics	Taiwan
NTL Advanced Products	UK
NTN	Taiwan
NTT Electronics (NEL)	Japan
NTT electronics corp	Japan
NTT Technocross Corporation	Japan
Nucomm Inc	USA
OAK Technology Ltd.	UK
OCILION	Austria
Octalis SA	Belgium
OKI	Japan
Omneon Vidio Networks	USA
Oxford Semiconductor	UK
Pace Micro Technology plc	UK
Panaccess systems GmbH	Germany
Panasonic Deutschland GmbH	Germany
Peak Communications	UK

DVB CSA2 Common Descrambling/Scrambling Algorithm Licensees

Company	Country
Pentamedia Co. Ltd.	Korea
PentaMicro	Korea
Phasion Tech. Inc.	Taiwan
Philips Business Electronics B.V.	Netherlands
Philips Electronique Grand Public	France
Pioneer Digital Design Centre Ltd.	UK
Pioneer Electronic (Europe)NV	Belgium
Pioneer Electronics Corp.	Japan
Pixelworks Inc	USA
Powercom Tech. Co. Ltd.	Taiwan
Proband Inc	China
Quadriga Worldwide ltd	UK
QuarTECH GmbH	Germany
Quative Ltd	UK
RADIX GmbH	Germany
Radyne	USA
Radyne Comstream	USA
Raycomm tech	Taiwan
RC Module	Russia
Realtek Semiconductor Corp	Taiwan
Reel Multimedia AG	Switzerland
Renesas Tech	Japan
RE-Technology (BARCO A/S)+B60	Denmark
RGB Networks	USA
RIKOR TV	Russia
Rockchip Fuzhou	China
Rockwell Collins Inc.	USA
Rockwell Semiconductor Systems	USA
Rohde & Schwartz	Germany
Rover	Italy
Roxus China	China
SAGEM	France
Sagemcom sas	France
Samart Corporation Public Co. Ltd.	Thailand
Samsung Corp.	Korea
Samsung Electronics Co. Ltd	Korea
Samsung Electronics Research Institute	UK
Sanyo Electric co	Japan
SAPEC	Spain
SAT France	France
SCI Worx	Germany

DVB CSA2 Common Descrambling/Scrambling Algorithm Licensees

Company	Country
Scientific Atlanta	USA
Scientific Atlanta Canada Inc.	Canada
SCM Microsystem	Germany
Seachange	USA
SECA	France
Sencore Inc.	USA
Seodu Inchip Inc.	Korea
SGS Thomson Microelectronic UK	UK
SGS-Thompson Microelectronics	Italy
Shanghai Advance	China
Shanghai Bell	China
Shanghai High Def dig (HDIC)	China
Sharp Electronica Espana S.A.	Spain
Shenzhen Coship	China
Shenzhen Dic Info Tech Co. Ltd.	China
Shenzhen State China	China
Shenzhen Success Digital	China
SHINWON IND.	Korea
Siano Mobile Silicon	Israel
SICAN GmbH	Germany
Sichuan Chanhong Electric Co. Ltd.	China
Sichuan Electric	China
Sichuan Xinguangxin Meida Industrial	China
SIDSA	Spain
SIEMENS AG	Germany
Siemens Semiconductors	Germany
Sigma Design	USA
Silicon Integrated System	Taiwan
SJ Consulting ltd	UK
Skysteam Networks Inc.	USA
Skystream Digital Video Networking	USA
Skyviiia Corporation	Taiwan
Smart DTV SA	Switzerland
Snell & Wilcox	UK
Sony Broadcast & Products Company	Japan
Sony Electronics Inc.	USA
Sony Japan	Japan
Sony UK	UK
Sony United Kingdom Ltd.	UK
Spase BV	Holland
STC Cosmos	Russia

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Company	Country
Step One Tech Ltd	UK
Stexar	USA
Sunniwell Broadband Cyber Tech	China
Sunplus Tech	Taiwan
SVP BROADCAST MICROWAVE	Spain
Symbionics Video Ltd.	UK
System Corporation	Japan
TADIRAN Communications and Systems Gr	Israel
Tadiran-Scopus - Digital Video Compression	Israel
TAE KWANG IND. Corp.	Korea
Takta	Iran
Tandberg Television AS	Norway
TATA Elxsi	India
Teamcast France	France
Technisat Digital	Germany
TechniSat Satellitenferntsehprodukte GmbH	Germany
Techsan Electronics Co. Ltd.	USA
Tecsyst do Brazil	Brazil
Tectelcom	Brazil
Tee-Comm Electronics Inc.	Canada
Telace Inc	Korea
Telairity Inc	USA
Telecard Pribor Ltd	Ukraine
Telechips	Korea
Telecruz	USA
Telemann Co. Ltd.	Korea
Telenor Conax AS	Norway
Telepath Tech	China
Telepiu (Antena Servizi)	Italy
TELES AG	Germany
Teleste Antenni OY	Finland
Teleste Corp	Finland
Televès S.A.	Spain
Telindus Surveillance Sollutions	UK
Telmicor Levante sl	Spain
Teralogic Inc.	USA
TERRA Electronics	Luthania
TEXAS INSTRUMENTS (FR)	France
Texas Instruments Inc.	USA
TGE Services Inc	USA
Thales	France

DVB CSA2 Common Descrambling/Scrambling Algorithm Licensees

Company	Country
Thomcast	France
Thomson Broadcast Systems	France
Thomson MultiMedia	France
Thomson Television Components France	France
Thomson Video Networks	France
Tianjin Topbroad Microelectronic	China
Tiernan Communications Inc.	USA
Titan Information Systems	USA
TJ Media	Korea
TNO TP	Netherlands
Topfield Co. Ltd.	Korea
Toshiba America Electronic Components	USA
Toshiba Corp. Europe Office UK	UK
Toshiba Corporation	Japan
Traffic Sim	Japan
Transparent Video Inc	USA
TransvideoSecurity	USA
Triax	Denmark
Trident Inc.	USA
Tsinghua Tong Fang Co.	China
Tsinghua Tongfang Legend Silicon	China
Tsinghua University	China
TV/Com International	Netherlands
TVCOM International Inc.	USA
T-Vips AS	Norway
Twinhan Tech	Taiwan
UEC Commercial (PTY) LTD/	South Africa
Unitend Tech Inc	China
Universal Appliance Ltd.	Hong Kong
Utimaco Safeware AG	Germany
Varo Vision Co.	Korea
V-Bits Inc	USA
VDA Multimedia	Italy
Vecima	Canada
Velankani Pvt	India
Verimatrix	USA
Vestel	Turkey
Via Alliance Technology	China
Via Technologies Inc	Taiwan
Viaccess	France
Vicsson Tech	Taiwan

DVB CSA2 Common Descrambling/Scrambling Algorithm Licensees

Company	Country
Video Networks ltd	UK
Videonet	UK
VideoPropulsion	USA
Videotele acquired by Tut Systems.	USA
Visionetics	Taiwan
Vistek Electronics Ltd.	UK
Vivid Technology	USA
VIXS Systems inc	Canada
VLSI Technology Inc.	USA
V-Show Technology co	China
VTECH Communications Ltd.	Hong Kong
Wandel & Golterman	France
Wavecom	Canada
Wegener Communication	USA
Wellav	China
Wellav technologies	China
Widevine Technologies	USA
Windbond	Taiwan
Wireless Ventures	USA
WIS Technology inc	USA
WISI Technolgy GmbH	Germany
Work Satcom GmbH	Germany
Wyplay	France
XCOM	France
Xcrypt Co	Korea
Xeole France NEOTION	France
Zenverge Inc	USA
Zhejiang Dahua Tech Stock Co	China
Zhenszhou Vcom electron	China
ZTE Corp.	China