

## DVB-CSA2 Common Descrambling/Scrambling Algorithm Licensees

Company	Country
Aastra Telecom US	USA
Academy of Broadcasting Science	China
Access Devices Group	UK
Acer Inc.	Taiwan
ADI Corporation	Taiwan
ADI Video Tech Ltd.	Israel
Adtec Digital Inc.	USA
Advanced Digital Technology Ltd.	Korea
Advantech AMT Ltd.	UK
Alcatel Italia	Italy
Ali Corporation	Taiwan
Allwinner Technology	China
Altech Auto Security	Taiwan
Amlogic Inc.	USA
Amphion Semiconductor	Ireland
AMT Ltd.	Korea
Analogue Devices (ADI)	USA
Angel Iglesias SA	Spain
Appear TV	Norway
Araneo Advanced Video Technologies	Israel
Arcadyan Technology Corporation	Taiwan
Archos SA	France
Arion Technology Inc.	Korea
Arris International	USA
ASE Technologies (USA) Inc.	USA
Asia Digital Broadcast Ltd.	Taiwan
Asian Pacific Satellite Industries Co., Ltd. (APSI)	Korea
Aston France	France
Astri Co., Ltd.	Hong Kong
ATI Technologies Inc.	Canada
ATMEL ES2 France	France
Augusta Technology (Alliantek Inc.)	USA
Avail Media Inc.	USA
Availink Inc.	USA

Company	Country
Avias Technology Int. Inc.	Taiwan
AZ Technology Co. Ltd.	Korea
Barco Ltd.	UK
Beijing Jaeger Communications	China
Beijing Tongfang Legend Silicon Tech. Co., Ltd.	China
Bigband Networks Inc.	USA
BLT Italia S.r.l.	Italy
Broadband Network Inc.	Canada
Broadband Pacenet PVT Ltd.	India
Broadcast Microwave Services (BMS) Inc.	USA
Broadcast Microwave Services Europe (BMS) GmbH	Germany
Broadcast Technology	UK
Broadcom Corp.	USA
Broadlogic Inc.	USA
British Sky Broadcasting Ltd.	UK
C2 Microsystems Inc.	USA
Canal +	France
Canon Research Centre France	France
Casa Systems Inc.	USA
Castwin/Hoseo Telecom	Korea
Cathay Roxus Info Tech. Ltd.	China
CCETT	France
Celestial Semiconductor Inc.	USA
Celrun Co., Ltd.	Korea
Ceroma Ltd.	Israel
Cheertek Inc.	Taiwan
China Aerospace Int. Holdings	Hong Kong
China Media Research	China
Chips & Media Inc.	Korea
Chromatic Research Inc.	USA
Cocom A/S	Denmark
Compression Labs Inc.	USA
ComStream	USA
Conax AS	Norway
Coolstream Int'l Ltd.	Hong Kong

Company	Country
Cortina Systems	USA
Creatop Inc.	Taiwan
Crypton Company Ltd.	Ukraine
Daewoo Electronics Manufacturing	France
DAGS Inc.	Korea
Dassault Automatismes & Telecom	France
Data Transmission Network Corp	USA
Datang Microelectronics Technology Co., Ltd.	China
David Sarnoff Research Center Inc.	USA
Dee&Be Sarl	France
Deltacom Electronics	Bulgaria
DG Station Co., Ltd.	Korea
DG2L Technologies Inc.	USA
Dibcom	France
Digicast Networks Inc.	USA
Digital Keystone	USA
Diva Systems Corp.	USA
Divicom Inc. (Harmonic Inc.)	USA
Doctor Design Inc.	USA
DooIn Electronics Co., Ltd.	Korea
DotCom SA	France
Dvision Technology Ltd.	China
DVN Technology Ltd.	Hong Kong
EchoStar International	USA
E-Elements Technology Co.	Taiwan
EFA Corporation	Taiwan
Elber S.r.l.	Italy
Eldon Technology Ltd.	UK
Elecard Devices, CJSC	Russian Federation
Elliptic Semiconductor	Canada
EllipticTechnologies Inc.	USA
EM Technics Co., Ltd.	Korea
EnensysTechnologies	France
Entone Technologies Ltd.	Hong Kong
Eonsat	Korea

Company	Country
Equator Technologies	USA
ETRI	Korea
Evertz Microsystems Ltd.	Canada
Fara Afrand Co.	Iran
Finatel	Brazil
Force Electronics A/S	Denmark
Fracarro Radioindustrie S.r.l.	Italy
France Telecom	France
Freebox	France
Freescale Semiconductor Inc.	USA
FTS DVL S.r.l.	Moldavie
Fujitsu Ltd.	Japan
Fujitsu Siemens Computers GmbH	Germany
Funtach Enterprises	Taiwan
GapView Communications LLC (VSL Networks)	USA
GEC Plessey Semiconductors	UK
Gemplus Groupe	France
Genesis Microchip	USA
GigaSat Ltd.	UK
GigaWave Ltd.	UK
Goback TV Inc.	USA
Grantech Co., Ltd.	Korea
Grundig EMV	Germany
Haier Ic Design	China
Handan BroadInfoCom Co., Ltd.	Korea
Hangzhou Guoxin Science & Tech. Co., Ltd.	China
Harmonic Lightwaves Ltd.	Israel
Harris Communications	Austria
Helion Technology Licensing Limited	UK
Himax Technologies	Taiwan
Hisilicon Technologies Co., Ltd.	China
Horizon Semiconductors Ltd.	Israel
Hoseo Telecom Co., Ltd. (Castwin)	Korea
Huawei Technologies Co., Ltd.	China
Huaya Microelectronics	USA

Company	Country
Hughes Network Systems Inc.	USA
Humax Co., Ltd.	Korea
Hyundai Digital Technology	Korea
Hyundai Electronics America Digital Media Division	USA
i3 Micro Technology AB	Sweden
Ibex Technology	Japan
IGS Technologies Inc.	USA
Imagination Technology	UK
Indigita Corp.	USA
Industrial Technology Research Institute (ITRI)	Taiwan
Information Equipment Co. (InfoIEQ)	Korea
Innomedia Tech Pvt	India
Innova Card	France
Inova Computers GmbH	Germany
Intel Corporation	USA
Interactek	Korea
Interaxx Television Network Inc.	USA
International Datacasting Corp.	Canada
Iphion BV	The Netherlands
Irdeto Consultants BV	The Netherlands
Jiangsu Yinhe Electronics	China
JingHuaJiuZhou Co., Ltd.	China
JSC STC (Cosmos)	Russian Federation
KaonMedia Co., Ltd.	Korea
Kenwood Corporation	Japan
KumyYoung Co Ltd.	Korea
Latens Systems	UK
LG Electronics Digital TV Research Lab	Korea
LG Electronics Inc.	Korea
LG Information & Communications	Korea
Link research Limited	UK
Liquid Xstream Systems Inc.	Canada
LiveTools Technology	Switzerland
Logiways	France
LSI Logic Japan Semiconductor Inc.	Japan

Company	Country
Lucent Technologies Microelectronics	Spain
Lucky Goldstar Electronics Inc.	Germany
Magima Digital Info Co., Ltd.	China
Magnitude Compression Systems	USA
Magnum Semiconductor	USA
Mainstream Data	USA
Malleable Microsystems	USA
Marusys Co., Ltd.	Korea
Marvell International Ltd.	Bermuda
Matra Communications	France
Matra MHS (Temic)	France
Matsushita Electric Industrial Co., Ltd.	Japan
Matsushita Electronics Corporation	Japan
Mazet GmbH	Germany
MB International S.r.l.	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 Corporation	USA
Microwave Radio Communications	USA
Mindway S.r.l.	Italy
Mitsubishi Electric Corporation	Japan
Montage LZ Technologies (Hong Kong) Limited	Hong Kong
Motorola Broadband Communications	USA
Motorola General Instruments	USA
Motorola NCIC	China
Moubic	Japan
Mstar Semiconductor Inc.	Taiwan
M-Systems Flash Disk Pioneers Ltd.	Israel
MTekVision	Korea

Company	Country
MVD Cores	France
Nagra Vision - Kudelski SA	Switzerland
National Semiconductor	Israel
nCube Corporation	USA
NEC Australia Pty Ltd.	Australia
NEC Corporation	Japan
NEC Electronics Europe	Germany
NERA	Norway
Neta Elektronik Sanayi	Turkey
Netgem SA	France
News Datacom Ltd.	UK
Newtec Cy	Belgium
NextLevel Systems Inc.	USA
Nextream	France
Norsat Int. Inc.	Canada
Novat Tech Co., Ltd.	Korea
Novatek Microelectronics	Taiwan
NTN	Taiwan
NTT Electronics (NEL)	Japan
NTT Electronics Corporation	Japan
NTT IT Corporation	Japan
NTT Technocross Corporation	Japan
Nucomm Inc.	USA
OAK Technology Ltd.	UK
Ocilion	Austria
Octalis SA	Belgium
Oki Electric	Japan
Omneon Video Networks	USA
Oxford Semiconductor	UK
Pace Micro Technology plc	UK
PalmMicro International Ltd.	Cayman Island
Panasonic Deutschland GmbH	Germany
Peak Communications	UK
Penta Micro Inc.	Korea
Pentamedia Co., Ltd.	Korea

Company	Country
Phasion Technology Inc.	Taiwan
Philips Business Electronics BV	The Netherlands
Philips Consumer Electronics BV	The Netherlands
Philips Electronique Grand Public	France
Pioneer Electronics Corporation	Japan
Pixelworks Inc.	USA
Powercom Technology Co., Ltd.	Taiwan
Probbroadband (China) Inc.	China
Quadriga Worldwide Ltd.	UK
Qualcomm Israel Ltd.	Israel
Quartec GmbH	Germany
Radix GmbH	Germany
Radyne ComStream Inc.	USA
Raycomm Technologies	Taiwan
RE Technology AS	Denmark
Realtek Semiconductor Corp.	Taiwan
Reel Multimedia AG	Switzerland
Renesas Technology Corp.	Japan
Research Center Module	Russian Federation
RGB Networks	USA
Rikor TV Ltd.	Russian Federation
Rockchip Fuzhou	China
Rockwell Collins Inc.	USA
Rockwell Semiconductor Systems	USA
Rohde & Schwartz	Germany
Rover Lab	Italy
Roxus Technologies China Ltd.	China
Sagemcom Sas	France
Samart Corporation Public Co., Ltd.	Thailand
Samsung Corporation	Korea
Samsung Electronics Co., Ltd.	Korea
Samsung Electronics Research Institute	UK
Sanyo Electric Co., Ltd.	Japan
SAT France	France
SCI Worx GmbH	Germany



Company	Country
Scientific Atlanta	USA
Scientific Atlanta Canada Inc.	Canada
SCM Microsystem	Germany
Seachange International Inc.	USA
Sencore Inc.	USA
Seodu Inchip Inc.	Korea
SGS Thompson Microelectronic Ltd.	UK
Shanghai Advance Technology	China
Shanghai Bell Company Ltd.	China
Shanghai High Def Digital (HDIC)	China
Shenzhen Coship Electronics Co., Ltd.	China
Shenzhen Dic Info Tech Co., Ltd.	China
Shenzhen State Microelectronics Co., Ltd.	China
Shenzhen Success Digital Technology Co., Ltd.	China
Shinwon Industry Ltd.	Korea
Siano Mobile Silicon	Israel
Sican GmbH	Germany
Sichuan Changhong Electric Co., Ltd.	China
Sichuan Jiuzhou Electric Group Co., Ltd.	China
Sichuan Xinguangxin Media Industrial Co., Ltd.	China
SIDSA	Spain
Siemens AG	Germany
Sigma Design	USA
Silicon Integrated System	Taiwan
SJ Consulting Ltd.	UK
Skystream Corporation	USA
Skystream Digital Video Networking	USA
Skystream Networks Inc.	USA
Skyvii Corporation	Taiwan
Société Européenne de Contrôle d'Access (SECA)	France
Sony Broadcasting & Products Company	Japan
Sony Corporation	Japan
Sony Electronics Inc.	USA
Sony UK	UK
Sony United Kingdom Ltd.	UK

Company	Country
Spase BV	The Netherlands
Starguide Digital Networks	USA
Step One Technology Ltd.	UK
Stexar	USA
Sunniwell Broadband Cyber Tech.	China
Sunplus Technology	Taiwan
SVP Broadcast Microwave	Spain
Symbionics Video Ltd.	UK
System Corporation	Japan
Tadiran Scopus	Israel
Tandberg Television AS	Norway
Tata Elxsi Ltd.	India
Teamcast Solutions	France
TechniSat Digital	Germany
Techsan Electronics Co., Ltd.	USA
Tecsys do Brazil Ind. Ltda	Brazil
Tectelcom	Brazil
Tee-Comm Electronics Inc.	Canada
Telace Inc.	Korea
Telecard Pribor Ltd.	Ukraine
Telechips Inc.	Korea
Telecruz Technology Inc.	USA
Telemann Co., Ltd.	Korea
Telenor Conax AS	Norway
Telepath Technologies	China
Teles AG	Germany
Teleste Antenni OY	Finland
Teleste Corporation	Finland
Televès S.A.	Spain
Telindus Surveillance Solutions	UK
Telmicro Levante S.L.	Spain
Teralogic Inc.	USA
Texas Instruments (FR)	France
Texas Instruments Inc.	USA
Thales Broadcast & Multimedia	France

Company	Country
Thomson Broadcast Systems	France
Thomson MultiMedia	France
Thomson Television Components France	France
Thomson Video Networks	France
Tianjin Topbroad Microelectronic	China
TNO	The Netherlands
Topfield Co., Ltd.	Korea
Toshiba America Electronic Components	USA
Toshiba Corporation	Japan
Transparent Video Inc.	USA
TransVideoSecurity	USA
Triax A/S	Denmark
Trident Microsystems Inc.	USA
Tsinghua Tongfang Co., Ltd.	China
Tsinghua University Research Institute	China
Twinhan Technology Co., Ltd.	Taiwan
UEC Commercial Pty Ltd.	South Africa
Unitend Tech Inc.	China
Universal Appliance Ltd.	Hong Kong
Utimaco Safeware AG	Germany
V-Bits Inc.	USA
VDA Multimedia S.p.A.	Italy
Vecima Networks Inc.	Canada
Velankani Pvt	India
Vestel Komunikasyon A.S.	Turkey
Via Alliance Technology	China
Via Technologies Inc.	Taiwan
Viaccess	France
Vicsson Technologies	Taiwan
Video Networks Ltd.	UK
Video Propulsion Interactive Inc.	USA
Videonet	UK
Videotele.com	USA
Visionetics International	Taiwan
Vivid Technology	USA

Company	Country
ViXS Systems Inc.	Canada
VLSI Technology Inc.	USA
V-Show Technology Co.	China
Wavecom Electronics Inc.	Canada
Wegener Communication Inc.	USA
Wellav Int. Ltd.	China
Wellav Technologies	China
Widevine Technologies	USA
Windbond	Taiwan
Wireless Ventures	USA
Wis Technologies Inc.	USA
Work Satcom GmbH	Germany
Wyplay	France
XCOM Multimedia Communications S.A.	France
Xcrypt Co.	Korea
Xeole Technologies	France
Zenverge Inc.	USA
Zhejiang Dahua Tech Stock Co., Ltd.	China
Zhengzhou VCOM Electron Technology Co., Ltd.	China
ZTE Corporation	China