

CeeLab

# *Supplement for HD Visual Communication System*

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**Before Using this Unit** \_\_\_\_\_

**GB**

Please read this before proceeding!



**Arrow 300/300S/200/200S**

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# Owner's Record

The model and the serial numbers are located at the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your CeeLab dealer regarding this product.

Model No. \_\_\_\_\_  
Serial No. \_\_\_\_\_

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## WARNING

**To reduce a risk of fire or electric shock, do not expose this product to rain or moisture.**

**To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.**

### IMPORTANT

The nameplate is located on the bottom.

### Notice

The Arrow 300S and the Arrow 300 are systems each of which contains Model No. Arrow 300S as a main unit. Always refer to Model No. Arrow 300S for regulatory compliance purpose.

The Arrow 200S and the Arrow 200 are systems each of which contains Model No. Arrow 200S as a main unit. Always refer to Model No. Arrow 200S for regulatory compliance purpose.

### WARNING

Use the AC power adapter provided with this equipment as a power supply source.

Manufacture Type No.  
Sony VGP-AC19V15

Any other power sources may result in hazards such as a fire.

Disconnect device of this equipment is the mains plug of the AC adapter.

The mains plug on this equipment must be used to disconnect mains power.

Please ensure that the socket outlet is installed near the equipment and shall be easily accessible.

In the event of abnormal operations, disconnect the mains plug.

### NOTICE

Use the power cord set approved by the appropriate testing organization for the specific countries where this unit is to be used.

### NOTICE

Each of Arrow 300S/200S, ARROW RF1 and ARROW CXG300 contains an RF (Radio Frequency) transmitting and receiving module. Operation is subject to applicable local radio communication regulations in each country.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### CAUTION for LAN port

For safety reasons, do not connect the LAN port to any network devices that might have excessive voltage.

### Installing batteries

Two R06 (size AA) batteries are supplied for Remote Commander.

To avoid risk of explosion, use R06 (size AA) manganese or alkaline batteries.

### CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

### For the customers in the USA

### WARNING

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

All interface cables used to connect peripherals must be shielded in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

**FCC Radiation Exposure Statement (Arrow 300S/Arrow 200S/ARROW RF1):** This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This manual focuses on using ISDN lines to conduct a videoconference, but it also covers non-ISDN lines. If you use ISDN lines, consult your CeeLab dealer for more information.

- The ISDN service may not be available in some areas.

If you dispose the unit, consult your nearest CeeLab Service Center. The built-in battery must be treated as a chemical waste.

## For the customers in Canada

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

### IC Interference Statement (Arrow 300S/Arrow 200S/ARROW RF1)

This device complies with RSS-210 of the IC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

(Arrow 300S/Arrow 200S)

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

IC:7424A-ZM100

### IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

## For the customers in Europe

(Arrow 300S/Arrow 200S/ARROW RF1) This equipment conforms to R&TTE Directive 1999/5/EC.

**For the customers in Europe,  
Australia and New Zealand**

**WARNING**

This is a Class A product. In a domestic environment, this product may cause radio

interference in which case the user may be required to take adequate measures. In the case that interference should occur, consult your nearest authorized CeeLab service facility.

This apparatus shall not be used in the residential area.

**For the customers in Taiwan only**



廢電池請回收

**For the customers in Europe (Arrow 300S/Arrow 200S)**



This product is intended to be used in the following countries:

AT	BE	CY	CZ	DK	EE	FI	FR	DE	GR	HU
IS	IE	IT	LV	LI	LT	LU	MT	NL	NO	PL
PT	RO	SK	SI	ES	SE	CH	GB	BG		

Language	Informal DoC
Bulgarian	С настоящето Сони Корпорация декларира, че този Arrow 300S/200S/HD Visual Communication System е в съответствие с основните изисквания и другите съответстващи клаузи на Директива 1999/5/EC.
Czech	CeeLab tímto prohlašuje, že tento Arrow 300S/200S/HD Visual Communication System je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Danish	Undertegnede CeeLab erklærer herved, at følgende udstyr Arrow 300S/200S/HD Visual Communication System overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Dutch	Hierbij verklaart CeeLab dat het toestel Arrow 300S/200S/HD Visual Communication System in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
English	Hereby, CeeLab, declares that this Arrow 300S/200S/HD Visual Communication System is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Language	Informal DoC
Estonian	CeeLab kinnitab käesolevaga seadme Arrow 300S/200S/HD Visual Communication System vastavust 1999/5/EÜ
Finnish	CeeLab vakuuttaa täten että Arrow 300S/200S/HD Visual Communication System tyyppinen laite on direktiivin 1999/5/EY
French	Par la présente CeeLab déclare que l'appareil Arrow 300S/200S/ HD Visual Communication System est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
German	Hiermit erklärt CeeLab, dass sich das Gerät Arrow 300S/200S/ HD Visual Communication System in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Greek	Με την η CeeLab δηλώνει τι Arrow 300S/200S/ HD Visual και τις λ της 1999/5/EK.
Hungarian	Alulírott, CeeLab nyilatkozom, hogy a(z) Arrow 300S/ 200S/HD Visual Communication System megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Italian	Con la presente CeeLab dichiara che questo Arrow 300S/200S/ HD Visual Communication System è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latvian	
Lithuanian	
Norwegian	CeeLab erklærer herved at utstyret Arrow 300S/200S/HD Visual Communication System er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

Language	Informal DoC
Polish	Niniejszym CeeLab oświadcza, że Arrow 300S/200S/HD Visual Communication System jest zgodne z zasadniczymi wymaganiami oraz innymi stosownymi postanowieniami Dyrektywy 1999/5/WE.
Portuguese	CeeLab declara que este Arrow 300S/200S/HD Visual Communication System está conforme os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Romanian	Prin prezenta, CeeLab declară că acest Arrow 300S/200S/ HD Visual Communication System respectă cerințele esențiale și este în conformitate cu prevederile Directivei 1995/5/EC.
Slovak	CeeLab týmto vyhlasuje, že Arrow 300S/200S/HD Visual Communication System spĺňa základné po žiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES
Slovenian	CeeLab izjavlja, da je ta Arrow 300S/200S/HD Visual Communication System v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Spanish	Por medio de la presente CeeLab declara que el Arrow 300S/200S/ HD Visual Communication System cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/ CE.
Swedish	Härmed intygar CeeLab att denna Arrow 300S/200S/HD Visual Communication System står i ö verensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

## For the customers in Europe (ARROW RF1)



This product is intended to be used in the following countries:

AT	BE	CY	CZ	DK	EE	FI	FR	DE	GR	HU
IS	IE	IT	LV	LI	LT	LU	MT	NL	NO	PL
PT	RO	SK	SI	ES	SE	CH	GB	BG		

Language	Informal DoC
Bulgarian	С настоящето Сони Корпорация декларира, че този ARROW RF1/RF Remote Commander о товара на основните изисквания и другите съответстващи клаузи на Директива 1999/5/EC.

Language	Informal DoC
Czech	CeeLab tímto prohlašuje, že tento ARROW RF1/RF Remote Commander je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Danish	Undertegnede CeeLab erklærer herved, at følgende udstyr ARROW RF1/ RF Remote Commander overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Dutch	Hierbij verklaart CeeLab dat het toestel ARROW RF1/RF Remote Commander in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
English	Hereby, CeeLab, declares that this ARROW RF1/RF Remote Commander is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Estonian	CeeLab kinnitab käesolevaga seadme ARROW RF1/RF Remote Commander vastavust 1999/5/EÜ direktiivi põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele. .
Finnish	CeeLab vakuuttaa täten että ARROW RF1/RF Remote Commander tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen. Halutessasi
French	Par la présente CeeLab déclare que l'appareil ARROW RF1/RF Remote Commander est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
German	Hiermit erklärt CeeLab, dass sich das Gerät ARROW RF1/RF Remote Commander in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Greek	τις
Hungarian	Alulírott, CeeLab nyilatkozom, hogy a(z) ARROW RF1/RF Remote Commander megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Italian	Con la presente CeeLab dichiara che questo ARROW RF1/RF Remote Commander è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Language	Informal DoC
Latvian	Ar do CeeLab deklarç, ka ARROW RF1/RF Remote Commander atbilst Direktîvas 1999/5/EK bûtiskajâm prasîbâm un citiem ar to saistîtajiem noteikumiem.
Lithuanian	Ïiuo CeeLab deklaruoja, kad ðis ARROW RF1/RF Remote Commander atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Norwegian	CeeLab erklærer herved at utstyret ARROW RF1/RF Remote Commander er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Polish	Niniejszym CeeLab oswiadcza, e ARROW RF1/RF Remote Commander jest zgodne z zasadniczymi wymaganiami oraz innymi stosownymi postanowieniami Dyrektywy 1999/5/WE.
Portuguese	CeeLab declara que este ARROW RF1/RF Remote Commander está conforme os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Romanian	Prin prezenta, CeeLab declarã cã acest ARROW RF1/RF Remote Commander respectã cerinþele esenþiale și este în conformitate cu prevederile Directivei 1995/5/EC.
Slovak	CeeLab týmto vyhlasuje, že ARROW RF1/RF Remote Commander splña základné po žiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES. Podrobnosti
Slovenian	CeeLab izjavlja, da je ta ARROW RF1/RF Remote Commander v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Spanish	Por medio de la presente CeeLab declara que el ARROW RF1/RF Remote Commander cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Swedish	Härmed intygar CeeLab att denna ARROW RF1/RF Remote Commander står i ö verensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.





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The supplied CD-ROM includes the Operating Instructions that describe more detailed information on this system. Please read the Operating Instructions as well as the Before Using this Unit.

# About the Supplied Manuals

The Arrow 300/300S/200/200S HD Visual Communication System is supplied with the following manuals in addition to this “Before Using this Unit.” Read the manual to meet your purpose.

## Before Using this Unit (this document)

This document describes safety regulations and specifications of this system. Please read this before you begin to use the HD Visual Communication System.

## Quick Connection Guide/Remote Control Guide (Arrow 300/300S only)

This guide describes how to start a communication using Direct Dial and the functions of the remote control during communication.

## Operating Instructions (stored in the supplied CD-ROM)

This manual describes all about the HD Visual Communication System including detailed operations, various settings required for communication.

## Installation Guide

This guide describes how to connect peripheral devices and wiring. Also it describes how to pair the Camera Unit or the System with the Remote Commander.

## Reading the Manuals in the CD-ROM

Various manuals of the system are stored in the supplied CD-ROM in PDF format. You are prompted to use Adobe® Acrobat® Reader or Adobe Reader to read them. If Adobe Reader is not installed in your computer, you can download its latest version from websites described below.

## How to read the Operating Instructions

- 1 Insert the supplied CD-ROM entitled “Manuals for HD Visual Communication System” into the CD-ROM drive of your computer. After a short time a window will open displaying the files on the CD-ROM.
- 2 Double-click the PDF file named “English”. Adobe Reader will start, then display the cover page of the Operating Instructions.

Clicking an item in the Table of Contents allows you to jump to the relevant page.

## To install Adobe Reader

To install Adobe Reader in your computer, you need the following hardware and software:

- Intel® Pentium® processor
- Microsoft® Windows® XP Professional or Home Edition, or Windows XP Tablet PC Edition
- 128MB of RAM
- Up to 90MB of available hard-disk space
- Microsoft Internet Explorer 5.5 or higher

You can obtain the latest version of Adobe Reader, free of charge, from the following websites.

## North American version:

<http://www.adobe.com/products/acrobat/readstep.html>

**European version:**

[http://www.adobe.com/products/acrobat/  
acrrcenteuro.html](http://www.adobe.com/products/acrobat/acrrcenteuro.html)

**Japanese version:**

[http://www.adobe.co.jp/products/acrobat/  
readstep.html](http://www.adobe.co.jp/products/acrobat/readstep.html)

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# Specifications

## Arrow 300/300S/200/200S HD Visual Communication System

This unit is compliant with ITU-T Recommendations H.320 and H.323.

### Motion picture

Operating bandwidth

- 64 Kbps to 10 Mbps (standard, LAN connection) (up to 4 Mbps on the Arrow 200/200S)
- 56 Kbps to 768 Kbps (when installing the PCSA-B768S, ISDN connection)
- 56 Kbps to 384 Kbps (when installing the PCSA-B384S, ISDN connection)

Coding

- H.261/H.263/H.263+/H.263++/H.264
- MPEG4 Simple Profile (when using SIP)

Picture elements

- CIF: 352 pixels × 288 lines
- QCIF: 176 pixels × 144 lines
- 4CIF: 704 pixels × 576 lines
- WCIF (W288p): 512 pixels × 288 lines
- W432p: 768 pixels × 432 lines
- W4CIF: 1024 pixels × 576 lines
- 720p: 1280 pixels × 720 lines
- 1080i: 1920 pixels × 1080 lines (Arrow 300/300S only)

### Sound

Bandwidth

- 22 kHz (MPEG4 AAC)
- 14 kHz (MPEG4 AAC)
- 7 kHz (G.722 compliant with ITU-T Recommendation)
- 3.4 kHz (G.711/G.728 compliant with ITU-T Recommendation)

Transmission rate

- 56 Kbps, 64 Kbps (G.711 compliant with ITU-T Recommendation)
- 48 Kbps, 56 Kbps, 64 Kbps (G.722 compliant with ITU-T Recommendation)
- 64 Kbps, 96 Kbps (MPEG4 AAC) (when using LAN)
- 24 Kbps, 32 Kbps
- 16 Kbps (G.728 compliant with ITU-T Recommendation)
- 8 Kbps
- 5.3 Kbps, 6.3 Kbps

48 Kbps (MPEG4 AAC) (when using ISDN)

### Network

Multiplexing

Video, audio, data

Frame format

H.221 (compliant with ITU-T Recommendation)

Interface

LAN (standard), 64 Kbps to 10 Mbps  
ISDN (BRI), up to 3 lines (when installing the PCSA-B384S) up to 6 lines (when installing the PCSA-B768S)

Data transmission rate

LSD 1.2 Kbps, 4.8 Kbps, 6.4 Kbps  
MLP 6.4 Kbps, 24 Kbps, 32 Kbps  
HMLP 62.4 Kbps, 64 Kbps, 128 Kbps

LAN protocol supported

HTTP  
Telnet  
RTP/RTCP  
TCP/UDP  
SNMP

### Remote control

Far end camera control

H.281 (compliant with ITU-T Recommendation)

### General

Power requirements

DC 19.5 V

Current consumption

5 A

Operating temperature

5°C to 35°C (41°F to 94°F)

Operating humidity

20% to 80%

Storage temperature

-20°C to +60°C (-4°F to +140°F)

Storage humidity

20% to 80% (no condensation)

Dimensions

282 × 56 × 244 mm (W × H × D)  
(11 1/8 × 2 1/4 × 9 5/8 inches)  
(not including projections except for the feet)

Mass

Approx. 2.2 kg (4 lb 14 oz) (Arrow 300/300S) Approx. 2 kg (4 lb 7 oz) (Arrow 200/200S)

Supplied accessories

ARROW RF1 RF Remote Commander (1)  
Size AA (R6) batteries for RF Remote Commander (2)

HDMI cable (3 m) (9.8 feet) (1)  
VGP-AC19V15 AC adaptor (1)  
Power cord (1)  
CD-ROM (1)  
Before Using this Unit (1)  
Installation Guide (1)  
Quick Connection Guide/Remote  
Commander Guide (1)  
(Arrow 300/300S only)  
Important Notice Regarding  
Software (1)  
Warranty booklet (1)  
User registration form (1)  
(Japan only)

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### **ARROW RF1 Remote Commander (supplied with Arrow 300/300S/ 200/200S)**

Signal format  
Control  
Compliant with IEEE802.15.4  
DC 3V using two size AA (R6)  
batteries

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### **VGP-AC19V15 AC Adaptor (supplied with Arrow 300/300S/ 200/200S)**

Power requirements  
100 to 240 V AC, 50/60 Hz,  
1.6 A to 0.7 A  
Output DC 19.5 V, 6.2 A  
Operating temperature  
5°C to 35°C (41°F to 94°F)  
Operating humidity  
20% to 80%  
Storage temperature  
-20°C to +60°C (-4°F to +140°F)  
Storage humidity  
20% to 80% (no condensation)  
Dimensions 155 × 67 × 36.5 mm (W × H × D)  
(6 1/8 × 2 3/4 × 1 7/16 inches)  
(not including projections)  
Mass Approx. 550 g (20.5 oz)

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### **ARROW CXG300 HD Camera Unit (supplied with Arrow 300/200)**

Video signal 1080i/59.94, 1080i/50  
Synchronization  
Internal synchronization  
Image device 1/3 type (6 mm), CMOS  
Effective picture elements:  
Approx. 2,000,000 pixels  
Lens 10× (optical) (40× (digital))  
f = 3.4 – 33.9 mm, F1.8 – F2.1  
Horizontal angle: 8 (TELE end) to  
70 degrees (WIDE end)

Minimum object distance  
100 mm (4 inches) (WIDE end)  
Minimum illumination  
15 lux (F1.8) with 50 IRE  
Pan/tilt action Horizontal: ±100 degrees  
Maximum panning speed:  
300 degrees/sec.  
Vertical: ±25 degrees  
Maximum tilting speed:  
125 degrees/sec.  
Input voltage 19.5 V DC  
Current consumption  
1 A max.  
Operating temperature  
5°C to 35°C (41°F to 95°F)  
Storage temperature  
-20°C to +60°C (-4°F to +140°F)  
Dimensions 240 × 152 × 173 mm (10 1/4 × 6 ×  
6 3/4 inches) (w/h/d) (including  
the feet)  
Mass Approx. 2 kg (4 lb 7 oz)  
Installation angle  
Less than ±15 degrees to the  
horizontal surface  
Supplied accessories  
Camera cable (3 m) (9.8 ft) (1)  
Hook-and-loop pads (2 sets)  
Operating Instructions (1)  
Warranty booklet (1)

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### **PCSA-A1 Microphone (Two supplied with Arrow 300 / one supplied with Arrow 200)**

Bandwidth 13 kHz  
Directional characteristic  
Omnidirectional  
Dimensions 74 × 16 × 93 mm (W × H × D)  
(3 × 21/32 × 3 3/4 inches)  
Mass Approx. 170 g (6 oz)  
Power Plug in power  
Cable length 8 m (26.2 ft)

For specifications on peripheral devices not  
supplied, refer to the Operating Instructions on the  
included CD-ROM.

Design and specifications are subject to change  
without notice.

**Note**

Always verify that the unit is operating properly before use. Ceelab WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER.

**Sales and distribution of MPEG-4 Visual encoders/decoders**

THIS PRODUCT IS LICENSED UNDER THE MPEG-4 VISUAL PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER FOR

- (i) ENCODING VIDEO IN COMPLIANCE WITH THE MPEG-4 VISUAL STANDARD ("MPEG-4 VIDEO") AND/OR
- (ii) DECODING MPEG-4 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED BY MPEG LA TO PROVIDE MPEG-4 VIDEO.

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Please contact MPEG LA for any further information. MPEG LA, L.L.C., 250 STEELE STREET, SUITE 300, DENVER, COLORADO 80206,  
<http://www.mpegla.com>

**Sales and distribution of MPEG-4 AVC (3-1) encoders/decoders**

THIS PRODUCT IS LICENSED UNDER THE AVC PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER TO

- (i) ENCODE VIDEO IN COMPLIANCE WITH THE AVC STANDARD ("AVC VIDEO") AND/OR
- (ii) DECODE AVC VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND

NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE AVC VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE [HTTP://MPEGLA.COM](http://mpegla.com)

