

# SONY®

## DVD BURNERS LIKE NO OTHER

Introducing DVDirect™ (DVD Direct), the world's first hybrid DVD recorder capable of burning DVDs with or without a Computer. Quickly and easily preserve home movies from tapes directly onto DVD in DVD Direct's stand-alone operation mode. DVD Direct can record on standard 4.7GB or Double Layer 8.5GB discs for up to 12 hours of video storage on a single disc. DVDirect can also be connected to a computer equipped with USB 2.0 for high speed 16X maximum burning, allowing you to create copies of your home movie DVDs for friends and family. As well as create advanced DVD projects, and so much more – the possibilities are like no other!



### VRD-VC20/DVDirect

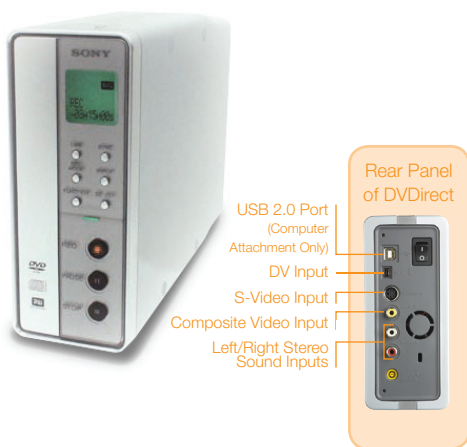
- Record DVDs Directly from Camcorder/ VCR - No Computer Required
- Real time Recording, High Quality Hardware MPEG2 Encoding
- DV and Analog (Composite + S-Video) Inputs
- Record on DVD±R/±RW Discs, Even DVD+R Double Layer Discs
- Automatic Menu and Chapter Creation
- Can Be Connected to Computer Via USB 2.0 For for 16X max. DVD Burning
- Includes Award Winning Nero™ Software Suite For PC Burning



# dvdirect™

YOUR HOME MOVIES ON DVD  
EASY AS 1...2...3

like.no.other™



## Features and Benefits:

- Direct, real-time recording from virtually any camcorder/VCR to DVD – no computer required!
- Preserve precious home movies quickly and easily onto DVD and share with friends and family.
- Real Time Recording With High Quality Hardware MPEG2 Encoding.
- DV and Analog (Composite + S-Video) Inputs.
- Compatible with standard 4.7GB DVD±R/±RW Discs and DVD+R DL Double Layer Discs.
- 3 recording quality modes, automatic menu and chapter creation, plus easy “start/stop/pause” recording make DVDirect easy to set up and use.
- Can also be connected to computer via USB 2.0 for 16X max. dual format, double layer DVD and CD burning.
- Includes award winning Nero™ Software suite for computer attached DVD/CD burning.

\* Requires DVD+R DL media.

\*\* High-speed DVD-R, DVD+R, DVD-RW, DVD+RW, CD-R, CD-RW discs required.

## SONY

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## VRD-VC20 Specifications:

External Hybrid Standalone or Computer Attached DVD Recorder

STAND-ALONE OPERATION	
SUPPORTED MEDIA	DVD+R, DVD+R DL, DVD+RW, DVD-R, DVD-RW
DVD RECORDING MODE	DVD±VR
SUPPORTED VIDEO FORMAT	MPEG2
AUTOMATIC CHAPTERING	5, 10 or 15 minutes
RECORDING TIMES	HQ (single layer: 1 hour, double layer: 2 hours) SP (single layer: 2 hours, double layer: 4 hours) SLP (single layer: 6 hours, double layer: 12 hours)
SUPPORTED SOUND FORMAT	Dolby® Digital (AC3)
INPUTS	DV (i.LINK/FireWire Compatible) x 1, Composite Video (Yellow RCA jack) x 1, S-Video x 1, Analog Audio 2ch (Red/White RCA jacks)
COMPUTER-ATTACHED OPERATION	
SUPPORTED MEDIA TYPES & SPEEDS:	DVD+R DL: 4X CLV (max.) writing* DVD+R: 16X CAV (max.) writing** DVD+RW: 8X Z-CLV (max.) rewriting** DVD-R: 16X CAV (max.) writing** DVD-RW: 6X CLV (max.) rewriting** DVD-ROM reading (single layer): 16X CAV (max.) DVD-ROM reading (dual layer): 8X CAV (max.) CD-R: 48X P-CAV (max.) writing** CD-RW: 24X Z-CLV (max.) rewriting** CD-ROM: 48X CAV (max) reading
INTERFACE	Hi-Speed USB 2.0 (USB 1.1 compatible at slower speeds)
OS SUPPORT	Compatible with Microsoft Windows® 2000 / Windows XP.
BURST DATA TRANSFER RATE	Hi-Speed USB 2.0: 480 Mbit/s max
RANDOM ACCESS TIME	140 ms (CD-ROM), 135 ms (DVD-ROM)
BUFFER MEMORY	8 MB
BUFFER UNDER-RUN ERROR PROTECTION TECHNOLOGY	Sony Power-Burn conformed
OTHER SPECIFICATIONS	
DIMENSIONS (W x H x D)	6.46" x 2.6" x 9.21"
WEIGHT	1.2Lb
POWER CONSUMPTION	3.0A, +12V DC
PACKAGE CONTENTS	External VRD-VC20 DVD Recorder NeroVision Express™ DVD video editing & authoring software Nero™ Burning ROM SE CD/DVD mastering software Nero™ InCD™ drive letter recording software Nero™ Showtime™ soft DVD player software Nero™ BackitUp™ backup software AC Adapter & USB cable User's Manual & Quick Start Guide
SYSTEM REQUIREMENTS	Pentium® III 800 MHz or faster (or equivalent) CPU minimum. Pentium IV 1.6GHz or faster (or equivalent) CPU is recommended for real time video authoring/editing 256 MB of RAM 10GB of hard disk space. Windows® 2000 or Windows® XP Home or Professional
WARRANTY	One Year Limited