🕖 Wolverine **35mm Film to Digital Converter User Manual** v1.1 **Table of Contents** Introduction ... 1 Before Using the Converter ... 1 Having Difficulty Using This Product ... 4 Contents Description ... 4 Functions of Keys ... 5 Connect Converter to TV ... 5 Getting Started... 6 1. Attach power ... 6 2. Use Built-in Memory... 6 3. Use Optional SD or SDHC Memory Card ... 6 4. Turn Converter On/Off ... 7 5. Mode Selection - Film Type, Format, Capture, Playback, USB MSDC, Language \dots 7 6. Format Memory ... 8 7. Prepare Film Tray - Negative Tray or Slide Tray ... 8 8. Set Film Type - Negatives, Slides, or B&W (black and white) ... 9 9. Edit Image Orientation 9 10. Edit Image Brightness ... 10 11. Convert Film to Image File ... 10 12. Playback and Edit Image Files ...11 13. Connect Converter to Computer ... 12 14. Upload Image Files to PC and Delete Files ... 13 Technical Support ... 14 Specifications ... 14 Caution ... 15 One-Year Limited Warranty (United States Only) ... 15 Warranty Exclusions ...17 Other Limitations ... 18 Thank You for Choosing Wolverine and Quick Start ... Back Cover Introduction Thank you for purchasing Wolverine Film to Digital Converter. The Wolverine Converter features a LCD screen, internal memory and memory card reader to convert negatives or slides into digital images without a computer. Simply place film into appropriate holder tray, insert it into the Converter, with a push of a button your media will be converted into a 20 MP (20MP-ORANGE Model) or 14 MP (14MP-GREEN Model) JPEG digital image. The Wolverine Converter can be connected with your Windows PCs (ME/XP/Vista/7) or Mac systems to upload saved digital images through USB p **Before Using the Converter** This section provides important safety information that you should read before using your Converter. • Do not drop or handle too aggressively as it may cause damage to the device. • Do not allow the device to come into contact with water or other liquids. In the event that water or other liquids enter the interior, immediately turn off the device. Continued use of the device may result in fire or electric shock. • Do not handle the device with wet hands. Doing so may cause electric shock and damages to the unit. • Do not place the device close to any equipment generating strong electromagnetic fields. Exposure to strong magnetic fields may cause malfunction or data corruption. • Do not expose the device to extreme temperatures, humidity or vibrations, which may cause damages to the device. • Do not open the outer casing. This unit does not require batteries or contain user serviceable parts. • Do not move or disconnect the device from the computer while the device is reading/writing data. This may cause damages to the data and/or the device. • Under no circumstances should user try to repair the device. Doing so may cause electric shock and void the warranty. Slides and negatives MUST be placed in their proper holder tray before inserting them into the Converter. 2 • Inserting media without using proper holder tray may result in loosing media inside the unit, where removal is NOT covered under warranty and VOID the product WARRANTY. • Warranty will be voided if the device is mishandled. Please take care in handling the Converter. Wolverine Data is not responsible for consequential damages, including loss of data. Always back up all data. For full warranty statement see the end of this manual. • Wolverine Data has no obligation to repair, replace or issue refunds without a Return Merchandise Authorization (RMA) number and the original purchase receipt of the defective product. • Repairs or replacement service will not be offered to products that were misused, scratched, repaired without authorization, or any other reasons beyond the range of intended use. • Replacement product may be either new or refurbished, provided that its functions are at least equal to that of the product being replaced. Wolverine Data is not responsible for any data stored on the returned product, please backup any data prior to ship back the unit. 3 • All out of warranty repairs are subjected to repair fee. Please contact your dealer or Wolverine Data for current charges. **Having Difficulty Using This Product?** Please try the following options: • Call us at 949-458-9888 M-F 9:00-5:00 Pacific Time Visit www.wolverinedata.com/support to find the latest documentation and other help tips · E-mail or write to our technical support staff at support@wolverinedata.com or our address: 9939 Muirlands Blvd. Irvine, CA 92618 **Contents Description** Converter, negative holder tray, slide holder tray, USB cable, power adapter, cleaning stick, and user manual. Please call us at 949-458-9888 or visit www.wolverinedata.com to order extra trays or optional accessories, SD memory card, negative roll

film adapter, TV-out cable. Go to www.wolverinedata.com to join our **Mailing List** to receive our exclusive **coupon** offers.

Functions of Keys Press the corner of the button plate

Power Convert/Mode

(d) r

• Power:
Power on/off
• Left/Mirror and Right/Flip: 1. Highlight the selection left/up or right/down
2. Mirror/flip image in "Capture" modeConvert/Mode:
 Convert film to digital image in "Capture" mode Back to Home menu to change mode
• OK/Enter key: Confirm or execute the highlighted selection
Connect Converter to TV
Use video-out cable (not included) to connect Converter to TV to display images on TV screen.
5
 Power on Converter and TV. After Home menu shows up, connect Converter to TV with the
video-out cable. 3. When Converter is connected to TV, Converter's screen will turn
dark, all menu and images will appear on TV screen only. Getting Started
1. Attach Power
Plug the small end of the USB cable into Converter, and the big end into the included power adapter or directly to a computer USB port.
Plug the power adapter into a power outlet. 2. Use Built-in Memory
Converter includes built-in memory that can store up to $12 \sim 15$ digital images. A "No card" icon will appear on the LCD screen for 3
seconds if memory card is not inserted. 3. Use OPTIONAL SD/SDHC Memory Card
To save images directly onto SD/SDHC memory card, insert the memory card before powering on Converter. Each 1 Gigabyte of
6
SD/SDUC memory holds between 500 700 divided images. Check the
SD/SDHC memory holds between 500-700 digital images. Check the card is unlocked (white tab in upward position) or you'll see a "Card
Locked" icon on the screen. Ensure the card is oriented with gold contacts facing up. When inserting the memory card, do not force the
card as it may damage the card reader or the card, which neither is covered under warranty.
Push white tab upward Gold Contacts Face Up
4. Turn Converter On/Off - Press Power key 5. Mode Selection
Converter has 6 modes (listed below). The selected mode is shown on the screen in text and icon. Press Left/Right arrow key to
change/highlight the mode, then press OK/Enter key to confirm and execute the selection. You can always press Mode key to bring back
 • Film Type - Sets film type in Negatives, Slides, or B&W
• Format - Formats internal memory or the inserted SD/SDHC card
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 Capture - Converts film to digital image Playback - Reviews all converted images stored in memory
• USB MSDC - Communicates with PC or Mac to upload converted
images files to a computerLanguage - Set menu in English or Japanese
6. Format Internal Memory or the Inserted SD/SDHC Card This function formats or deletes all files in the internal memory or the
inserted SD/SDHC memory card. 1. Power on the Converter and press Mode .
 Press Right arrow then press OK/Enter key. Press Left arrow to highlight YES then press OK/Enter key.
 7. Prepare Film Tray - Negative Tray or Slide Tray 1. Use a fine cloth or compressed air (not included) to clean the
2. Open film tray and place film (shiny side up) into proper holder
tray. Close tray cover properly to avoid jamming at inside Converter. Warning: Place non-standard size film in tray will result partial
image or black areas on image. 8
3. For best results, use included cleaning stick with felt side down to wipe dust off the light table
gently, before every use.4. Insert film tray into Converter and push tray from right to left only.
Inserting or pushing tray from left to right may damage Converter.
8. Set Film Type - Negatives, Slides, B&W 1. At Film Type menu, press OK/Enter key.
2. Press Left or Right arrow key to highlight Negative Film, Slides, or B&W then press Enter key.
Ensure the Film Type setting is correct, or you will see X-ray-like image on the screen. The film type setting will remain until changed.
9. Edit Image Orientation:
Use Left/Mirror key to mirror the image left to right, or use Right/Flip key to flip the image upside down. If rotate is needed,
complete the Convert and Save first then go to Playback mode to rotate image later.
9 9
10. Edit Image Brightness:
This is an optional step. The edited brightness will remain until changed
Press Enter key to change EV (Exposure Value/Brightness). Positive (+) means brighter; negative (-) means darker. Press Left or Right key
to adjust the EV value then press Enter key. Capture Mode
F F Exposure
III Save ⊗ →-Memory
11. Convert Film to Image File 1. At Capture Mode, press Convert key to scan image.
 At Capture Mode, press Convert key to scan image. Press OK key to save the converted image to memory. Or press Left or Right key to Cancel (don't save).
 4. Push the film tray to left to continue the next film. *Note: "FULL" icon on screen means the memory is full. Upload the
image files to a computer then format the memory.
10
12. Playback and Edit Image Files 1. Press Mode key to go to Home menu. Playback Mode
 Press Left or Right key to highlight "Playback". Press OK/Enter key to playback saved images
on the screen at 2 second interval. 4. Press OK/Enter key to pause slide show.
 5. Press OK/Enter key one more time to go to Edit menu or 6. Press Left/Right key to advance image forward Playback in Pause
or backward manually. 7. In the Edit menu, highlight Exit , then press
 OK/Enter key to resume Playback. 8. After editing the image, select Save icon to save edited image.
The edited image will be replaced the stored image in memory. 9. Highlight Home icon, press OK/Enter key to exit Playback mode,
or press Convert key. Playback/Edit Menu Rotate +90 - 12 Exit Edit menu, resume Playback mode
Rotate +90 → 2
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13. Connect Converter to Computer to Upload Image Files Steps to connect Converter to a computer:
 Plug small end of the USB cable to Converter and the big end to USB port on the computer.
2. Insert SD/SDHC memory card if not using Converter's internal



• E-mail our technical support staff at support@wolverinedata.com Quick Start

Attach power cord
 Insert SD/SDHC memory card - Optional step

3. Turn on Converter

4. Press Left or Right keys to select film (Negative, Slide, B&W)

5. Press **OK** to confirm the selection6. Place film into proper tray, insert tray into right side slot

7. Edit image orientation and brightness if required - **Optional** step 8. Press **Convert** key to scan film

9. Press **OK** key to save image

10. Push film tray to left for next scan and repeat steps from 7

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