

# Camera to Print & Screen

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Thursday, December 29, 2011



***A Fine Art shoot: The Violin - from Capture to Print is added - along with a discussion on Printer Maintenance and a demonstration of Matting & Framing.***

***Early January 2012 will see videos on working with slideshows, the web, the iPad and Packaging & Presentation.***

This Tutorial series is made up of multiple numbered videos within 37 download .zip files.

Our shopping cart uses placeholders as containers for future content. Empty placeholders are identified on the download page of your order by their small size -typically around 250 **KB**.

Please use the chart on Page 2 for quick reference to find specific videos or to check your downloads.

N.B. The Zip file number and the Video number ***do not correspond***. A single .zip file may contain multiple videos and documents.

When your computer downloads and un-zips a file with multiple files or videos, an enclosing folder or directory with the same name as the Zip file may be created around the actual files. Please make sure you open that enclosing folder to find the MOV & other files. File 40 contains the most recent ToC.

***For complete information on the actual names, chapters, sizes and running times of the .mov & other files, please scroll down this ToC.***

[Download Video FAQ](#)

[More about Camera to Print & Screen](#)

**Current Length: 11 hours 14 minutes. Current Total Size: 9.6 GB**



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### **c2ps-01.zip - videos 1, 2 & Read-Me PDF**

#### **1. Introduction**

*(C2PS\_01\_Intro.mov)*

*5 minutes 56 MB*

- Michael & Jeff introductions

#### **2. New Printer Set-up**

*(C2PS\_02\_NewPrinter.mov)*

*16 minutes 176 MB*

- Set up a new Epson R3000
- Install driver
- Create a print profile

### **c2ps-02.zip - videos 3 & 4**

#### **3. Image Quality - Basics & Megapixels**

*(C2PS\_03\_IQ-Basics.mov)*

*19 minutes 205 MB*

- The Camera basics
- Resolution: -
  - - iPhone vs. P65
- Camera Mount Demo
- Handheld
- Handheld with Image Stabilization
- Tripod Mounted
- Tripod with Mirror Lock-up
- High ISO/Shutter Speed Handheld with IS

#### **4. Image Quality**

##### **ETTR - Expose to the Right**

*(C2PS\_04\_IQ-ETTR.mov)*

*9 minutes 99 MB*

- Camera AUTO exposure?
- Is ETTR worth it?
- Noise examples  $f-1\frac{2}{3}$ , auto,  $f+1\frac{2}{3}$

### **c2ps-03.zip - videos 5, 6 & 7**

#### **5. Image Quality**

##### **HDR - High Dynamic Range**

*(C2PS\_05\_HDR.mov)*

*9 minutes 95 MB*

- Photomatix example

#### **6. Image Quality - Noise**

*(C2PS\_06\_IQ-Noise.mov)*

*7 minutes 74 MB*

- Shot noise
- Read noise
- Thermal noise
- Pattern (sensor) noise
- Under-exposure noise
- Colour noise
- Results of noise reduction
- Use ETTR
- Madagascar digression

#### **7. Image Quality - Diffraction**

*(C2PS\_07\_IQ-Diffraction.mov)*

*4 minutes 40 MB*

- Examples at:  $f 5.6$ ,  $f 11$ ,  $f 32$

### **c2ps-04.zip - videos 8 & 9**

#### **8. Image Quality - Focus Bracket**

*(C2PS\_08\_IQ-FocusBracket.mov)*

*7 minutes 80 MB*

- Workflow
- Open as PS layers
- Edit: Auto Blend Layers
- Helicon Focus

#### **9. Image Quality - Panoramas & Stitching**

*(C2PS\_09\_IQ-Panos&Stitch.mov)*

*10 minutes 102 MB*

- Shoot Vertical
- Merge to Panorama in PS
- Warp correction
- Antarctic Pano
- In Camera Stitching

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### **c2ps-05.zip - videos 10 & 11**

#### **10. Image Quality - Seeing Beyond Camera Defaults**

*(C2PS\_10\_IQ-BeyondDefaults.mov)*

*11 minutes 115 MB*

- What is the image about?
- Cañada del Virgén

#### **11. Image Quality - Selection Editing**

*(C2PS\_11\_IQ-SelectionEditing.mov)*

*11 minutes 113 MB*

- Ranking
- Incremental Selection
- Binary Selection
- 'Explore' an image

### **c2ps-06.zip - videos 12 & 13**

#### **12. Colour Management - Overview**

*(C2PS\_12\_CM-Overview.mov)*

*7 minutes 81 MB*

- Profile
- Gamut
- Types of Profiles

#### **13. Colour Management - Spaces & Profiles**

*(C2PS\_13\_CM-Spaces&Profiles.mov)*

*15 minutes 170 MB*

- Colour Spaces
- Human Colour Perception
- Colour Gamuts
- Input Profiles
  - Display Profiles
  - Working Spaces
  - Output Spaces
  - Print/Paper Profiles
- Summary
- Working Space vs. Profile

### **c2ps-07.zip - videos 14 & 15**

#### **14. Colour Management - Printer/Paper Profile Creation + Print Trimming**

*(C2PS\_14\_CM-PrinterProfile.mov)*

*17 minutes 186 MB*

- Printer/Paper ICC Profile
- Print Trimming
- i1 Profiler
- Who needs complex profiles?
- Robbie the Robot
- Create ICC Profile

#### **15. Colour Management - Printing a Profile Target in CS5**

*(C2PS\_15\_CM-TargetInCS5.mov)*

*5 minutes 54 MB*

- Loss of *No Color Management* in CS5
- Workaround
- Adobe Color Printer Utility

### **c2ps-08.zip - videos 16 & 17**

#### **16. Colour Management - High End Monitor Calibration**

*(C2PS\_16\_CM-MonitorCalib.mov)*

*13 minutes 142 MB*

- SpectraView Preferences
- Calibration
- Other High End Monitors
- Calibration Summary

#### **17. Colour Management - Monitor Calibration - Color Munki Display**

*(C2PS\_17\_CM-MunkiMonCalib.mov)*

*6 minutes 63 MB*

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### **c2ps-09.zip - videos 18 & 19**

#### **18. Colour Management - Photoshop Colour Settings**

*(C2PS\_18\_CM-PS-ColourSettings.mov)*

*11 minutes 113 MB*

- Color Settings
- Working Spaces
- Policies
- Conversion Options
- Advanced Controls
- Save Settings
- Convert to Profile

#### **19. Colour Management - Lightroom Colour Settings**

*(C2PS\_19\_CM-LR-ColourSettings.mov)*

*12 minutes 124 MB*

- Preferences: External Editing
- Print Color Management
- Print to File

### **c2ps-10.zip - videos 20 & 21**

#### **20. Colour Management - Lightroom Export**

*(C2PS\_20\_CM-LR-Export.mov)*

*13 minutes 128 MB*

- Export to Photoshop
- Export for Web & Screen
- Upload to Web

#### **21. Colour Management - DNG Camera Profiles**

*(C2PS\_21\_CM-DNGCameraProfiles.mov)*

*10 minutes 105 MB*

### **c2ps-11.zip - video 22 & PDF file**

#### **22. Colour Management - Workflows**

*(C2PS\_22\_CM-Workflow.mov)*

*10 minutes 105 MB*

- Workflow Overview
- Scanning
- 3rd Party RAW (Capture One)
- DNG Camera Profile in Adobe Camera Raw
- DNG Camera Profile in Lightroom
- Lightroom>Photoshop>Lightroom
- Lightroom only
- Recommended Workflow
- Web or Multimedia
- Lightroom to Web or Multimedia
- Detailed Workflows:
  - Scanner>PS>Print
  - C1>PS>Print
  - ACR>PS>Print
  - LR>PS>Print
  - LR>PS>LR>Print
  - LR>Print
- Recommended Workflows
  - Output to Web or Multimedia Device
  - LR > Web or Multimedia
- Review

#### **22a. Colour Management Workflows PDF**

*(C2PS\_22a\_CM-ColorMngmnt.pdf)*

*4 MB*

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### **c2ps-12.zip - video 23**

#### **23. Colour Management - Soft Proofing**

*(C2PS\_23\_CM-SoftProof.mov)*

*27 minutes 315 MB*

- Proof Setup: - Custom
- - Perceptual vs. Relative Render Intent
- - Preserve RGB Numbers
- - Black Point Compensation
- - Display Options (On-Screen)
- - Save Proof Setup
- Soft Proof Workflow:
- - Tone adjustment: 'Sculpting'
- - Adjustments
- - Curves
- - Hue & Saturation
- - new Layer Group
- - New View?
- Photoshop's Canvas surround
- Print...
- Photoshop's Print Dialog box
- Print Settings...
- Paper Size
- Print Driver settings
- Color Mode: OFF!
- Save Printer Driver Settings
- Print Dialog: Color Handling
- Select Printer Profile
- Color Management: Document
- Match Print Colors?
- Gamut Warning?
- Print!
- Soft Proof v. Gamut Warning
- Select Out of Gamut Colours
- The soft-proofed print

### **c2ps-13.zip - videos 8A & 24**

#### **8A. Image Quality - Front & Back Focus Adjustment - Lens Align**

*(C2PS\_08A\_IQ-LensAlign.mov)*

*5 minutes 49 MB*

#### **24. Working Environment & Equipment**

*(C2PS\_24\_WorkingEnvironment.mov)*

*13 minutes 141 MB*

- Field of View
- Room Lighting
- Room Colour
- Eyeglasses
- Multiple Monitors
- Jeff's studio
- The Chair

### **c2ps-14.zip - video 25**

#### **25. From Scan To Print**

*(C2PS\_25\_ScanToPrint.mov)*

*21 minutes 225 MB*

- Scanners
- Physical dust removal
- FlexColor setup
- Preview
- Crop
- Resolution
- Black & White points
- White Balance
- Sharpening in scan?
- Tone Adjustments
- Saturation?
- Scan!
- Post Scan Processing
- Noise Reduction
- Spotting
- Capture Sharpening
- Local Tone Adjustments
- Resolution & Print Size
- Output Sharpening
- Print!

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### **c2ps-15.zip - video 26**

#### **26. Image Processing: Colour Workflow in Lightroom**

*(C2PS\_26\_IP-ColourWorkflowLR.mov)*

*13 minutes 133 MB*

- Crop
- Aspect Ratio
- White Point, Black Point, Brightness
- Sharpening
- Contrast
- Local Adjustment
- Print...
- Resolution
- The Print

### **c2ps-16.zip - video 27 + Photoshop Actions Folder**

#### **27. Image Processing: Camera Raw to Photoshop to Print Workflow**

*(C2PS\_27\_IP-CRtoPrintWorkflow.mov)*

*28 minutes 300 MB*

- The Capture
- Crop
- Basic Adjustments
- Tone Curve
- Input Sharpening
- Camera Profile
- Workflow Options
- Open in Photoshop
- Resolution & Size
- Crop
- Local Adjustments:
  - Progressive Sharpening
  - Midtone Contrast
  - Sculpting
  - Saturation Painting
- White Edge Fix
- Soft Proofing
- Output Sharpening
- Print...
- The Print
- Signing the Print
- Lighting the Print

### **Photoshop Actions Folder Contents:**

- *Color-to-BW-Actions.atn*
- *Midtone Contrast Actions.atn*
- *Print Actions.atn*
- *Progressive Sharpen.atn*

### **c2ps-17.zip - videos 28, 29 & 30**

#### **28. Image Processing: Bit Depth**

*(C2PS\_28\_IP-BitDepth.mov)*

*8 minutes 81 MB*

#### **29. Image Processing: JPEG & RAW**

*(C2PS\_29\_IP-JPEG&RAW.mov)*

*6 minutes 59 MB*

#### **30. Image Processing: Linear & Gamma Encoded**

*(C2PS\_30\_IP-LinearVsEncoded.mov)*

*6 minutes 59 MB*

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### **c2ps-18.zip - videos 31 &32**

#### **31. Image Processing: Local Adjustments in Lightroom**

*(C2PS\_31\_IP-LRLocalAdjstmnts.mov)*

6 minutes 59 MB

- The Capture
- Adjustment Brushes
- Auto Mask
- Go to Lightroom Tutorial ;-)

#### **32. Image Processing: HDR Blending in Photoshop**

*(C2PS\_32\_IP-HDR.mov)*

7 minutes 84 MB

- The Captures
- The result
- Open as Layers in Photoshop
- Auto Align Layers
- Dark Layer:
  - Select Luminance data
  - Create Layer Mask
- Light Layer:
  - Hide All Layer mask
  - Paint in Light layer

### **c2ps-19.zip - video 33**

#### **33. Image Processing: Capture Sharpening**

*(C2PS\_33\_IP-CaptureSharpen.mov)*

17 minutes 187 MB

- Default
- Workflow
- Amount
- Radius
- Detail
- Masking
- Presets
- Optimized
- Noise Reduction
- Screen Zoom level?
- Sharpness Adjustment Brush

### **c2ps-20.zip - videos 34 &35**

#### **34. Image Processing: Sharpening Workflow**

*(C2PS\_34\_IP-SharpenWorkflow.mov)*

5 minutes 55 MB

#### **35. Image Processing: Noise Reduction**

*(C2PS\_35\_IP-NoiseReduction.mov)*

8 minutes 90 MB

- Screen Zoom level?
- Color Noise
- Luminance Noise
- The Best Noise Reduction!
- Detail
- Contrast
- Revisit Sharpening
- Secret: Grain

### **c2ps-21.zip - video 36**

#### **36. Image Processing: Black & White Workflow in Lightroom**

*(C2PS\_36\_IP-B&WinLR.mov)*

21 minutes 234 MB

- The colour shot
- The final result
- Crop & colour adjust
- Convert to B&W
- Split Tone 50-50-0
- Local Adjustments
- Black & White Mix
- Sharpening
- Vignette
- Print...
- Print Sharpening
- The Print

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### **c2ps-22.zip - videos 37 & 38**

#### **37. Image Processing: Black & White conversion in Photoshop**

*(C2PS\_37\_IP-B&WConversionPS.mov)*

*10 minutes 107 MB*

- Built-in B&W options
- Colour Layer Conversion

#### **38. Image Processing: Epson's Advanced Black & White mode**

*(C2PS\_38\_IP-EpsonAdvB&W.mov)*

*11 minutes 127 MB*

- Managed by Printer!
- Printer Settings
- Neutral
- Warm
- Cool
- The 3 Prints
- other B&W printing

### **c2ps-23.zip - video 39**

#### **39. Printing: Print from Lightroom**

*(C2PS\_39\_Printing-FromLR.mov)*

*35 minutes 383 MB*

- Print Module
- Page Setup
- Print Settings:
  - a Gotcha!
  - set profile first!
  - Output Resolution
  - Save preset
- Image Settings
- Layout
- Guides
- Print Job
- Draft Mode
- Print Resolution
- Re-sampling - Epson
- HP & Canon re-sampling
- Print Sharpening
- 16 Bit Output?
- Color Management
- Create a Template

### **c2ps-24.zip - videos 40 & 41**

#### **40. Printing: Resolution - Upsample or Native?**

*(C2PS\_40\_ResolutionUpsample.mov)*

*11 minutes 126 MB*

#### **41. Printing: Batch Print from Photoshop**

*(C2PS\_41\_PrintPSBatch.mov)*

*11 minutes 124 MB*

- Print Presets in PS?
- Record Action in Print Dialog
- Action Steps:
  - set resolution
  - Fit Image
  - sharpen
  - Print...
  - Print Settings
  - Save
  - Print
  - Close Document!
- Stop Recording
- Batch Print in Bridge

### **c2ps-25.zip - videos 42 & 43**

#### **42. Printing: RIPs - Raster Image Processors**

*(C2PS\_42\_RIPs.mov)*

*11 minutes 121 MB*

- Origin of RIPs
- ColorByte - ImagePrint
- Getting Profiles
- ImagePrint setup

#### **43. Printing: A Review of Printers**

*(C2PS\_43\_ReviewOfPrinters.mov)*

*14 minutes 150 MB*

- The Major Players
- Epson 7900
- Epson R3000
- Canon Pro 9500 II
- Epson vs. Canon
- The Prints

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### **c2ps-26.zip - videos 44 & 45**

#### **44. Printing: Inks, Print-Heads & Prints**

*(C2PS\_44\_Inks-Heads-Prints.mov)*

*12 minutes 134 MB*

- Evolution of inks
- Cost per Print
- Age of Ink
- Heads & Clogging
- Dye vs. Pigment ink
- Longevity
- Prints as Archive

#### **45. Printing: Papers**

*(C2PS\_45\_Papers.mov)*

*15 minutes 160 MB*

- Epson Watercolor
- Exhibition Fiber Photo
- Optical Brightening Agents (OBAs)
- Baryta
- Canson Baryta Photographique
- Epson Somerset Velvet
- Choices & more Choices...

### **c2ps-27.zip - videos 46 & 47**

#### **46. Printing: PictureMate for Snaps**

*(C2PS\_46\_PictureMate.mov)*

*7 minutes 80 MB*

#### **47. Printing: Gallery Sales - Canvas & Face-Mount**

*(C2PS\_47\_GallerySales.mov)*

*27 minutes 306 MB*

- Shooting for Sale
- Type of Canvas
- A Triptych
- Tilt Shift lenses
- Big or Small?
- Face Mounts
- iPad as sales tool

### **c2ps-28.zip - video 48**

#### **48. Printing to Canvas & Face-Mount**

*(C2PS\_48\_PrintCanvas.mov)*

*37 minutes 419 MB*

- Gallery Wrap
- The canvas print
- Dry Down
- Spraying
- Stretcher bars
- Shrinkage
- Stretching
- Corners
- Face Mounting

### **c2ps-29.zip - video 49**

#### **49. The Violin - from camera to print...**

*(C2PS\_49\_Violin.mov)*

*22 minutes 242 MB*

- The Shoot
- the boo-boo
- Capture One Processing
- Focus Bracket in Photoshop
- Clean-up
- Print from Lightroom

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### **c2ps-30.zip - video 50**

#### **50. Printer Maintenance & The Violin Print**

*(C2PS\_50\_PrinterMaint.mov)*

*25 minutes 269 MB*

- Power cycle?
- Nozzle Check
- Lemons?
- Buy through Dealer!
- Head Strikes
- Adjust Platen Gap
- Media Settings
- Test print
- Maintenance Cartridge
- ‘Chipped’ Cartridges
- 3rd Party inks
- Low Ink?
- Ink Cartridges
- Desktop Printers
- Ink Consumption
- The Violin Print

### **c2ps-31.zip - video 51 + SpeedMat Spreadsheet**

#### **51. Matting & Framing**

*(C2PS\_51\_Matte&Frame.mov) + Matte-Template.xls*

*29 minutes 318 MB*

- De-Roller
- Backing Board
- Matting
- Sizing Mat window
- Mat Board
- Speed-Mat
- Double mats
- Attaching the Print
- ‘Tools of the Trade’
- Signing Print
- Attaching the Mat
- Signing the Mat
- Bagging Matted Print
- Framing
- Glass or Acrylic?

=====  
**c2ps-32.zip through c2ps-39.zip  
are currently empty!**  
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#### **c2ps\_38.zip Placeholder only!**

*(Read Me - Placeholder.txt)*

*1 KB*

*This file will remain empty for possible future content*

#### **c2ps\_39.zip Placeholder only!**

*(Read Me - Placeholder.txt)*

*1 KB*

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#### **C2PS\_40.zip Table of Contents**

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*(C2PS-toc\_10.pdf)*