Technology Considerations for Online Visual Process Work

Web Meeting

Drawing Software

Drawing Surface

Information current as of 10/26/2020

Specialized Hardware

Pen Display

(interactive)

such as

Wacom Cintiq

Graphics Tablet

(opaque)

such as

Wacom Intuos

Acts as second display for computer that you draw on and see what you're drawing

Acts as "input device" for computer – you see what you draw on your computer monitor only

Take advantage of hardware and software configurations and abilities

Hardware — Most input devices will have operating software that can be configured to make the best use of options available with your drawing software

Some input devices have physical buttons that can be programmed for specific tasks

Drawing Software — Most apps will have preferences that can be configured to make the app work in ways that suit your workflow the best – find them and use them

Keyboard Hotkeys — Most computer apps have keystrokes or combinations of keystrokes that can be memorized (or modified) to make some tasks much easier – learn them and use them

Drawing Surface

	Paper	Graphics Tablet (opaque surface)	Pen Display (interactive display)	Pen Computer or Touchscreen Laptop	Tablet
Examples:	Templates printed on paper	Wacom Intuos	Wacom Cintiq †	Microsoft Surface	iPad, iPad Pro, Amazon Fire, Samsung Galaxy
Platform Requirements:	PC or Mac with second webcam or document camera attached	PC or Mac	PC or Mac	PC	iOS, Android
Easy to share live map activity during web meeting?	with specific hardware and software setups, may share live or share moments in progress	yes	yes	map can be shared, but coach can't easily view map and video at the same time	possible with newest devices and attachments, but may be challenging
Configurable for graphics program?	n/a	yes, if it has buttons	yes, if it has buttons (or is compatible with ExpressKey Remote)	can use keystroke combinations and/or hotkey assignments	unlikely
Portable?	yes	requires computer to operate and depends on size of device	requires computer to operate and depends on size of device	yes	yes
Overall ease of use for online Visual Coaching:	will probably slow things down a little due to placement of paper (and hands) for sharing live work or moments in progress	eye-hand coordination can be <u>very</u> difficult to master when writing or drawing quickly	a good quality pen display is the best option available at this time	only an option if using external monitor, since map and video can't be viewed by coach at the same time	requires connecting to a computer to run meeting or could join meeting with tablet as the third attendee and share the tablet with the map *

* Zoom Meetings "Free" plan will end this meeting 40 minutes after the third attendee/map joins
† Recommend ExpressKey Remote for any compatible Cintiq product (unless device has physical keys)

Drawing Software

	Computer Application	Android Apps	iOS Apps	Both Computer and Tablet Applications available
Examples:	Adobe Illustrator Adobe Photoshop Corel Draw Corel Painter	Adobe Illustrator Draw Adobe Photoshop Sketch Sketch - Draw and Paint	Adobe Illustrator Draw Adobe Photoshop Sketch ProCreate	Sketchbook
Platform Options:	Windows PC or Mac Computer	Android Tablets	iOS Tablets	All Platforms, All Devices
Acquisition Model:	Adobe: Subscription Corel: Purchase license	Google Play purchase or subscription	Apple App Store purchase or subscription	Free (Pro version available, but subscription pays for tech support access, not more features)
Configurable Environment?	yes, but drawing surface used may be limiting	limited, due to the lack of physical buttons	limited, due to the lack of physical buttons	yes, but drawing surface used may be limiting
Custom Brushes?	yes	most apps will have customization options	most apps will have customization options	yes for Computer limitations on tablet, can customize existing brushes and move between brush sets
Custom Color Palettes?	yes	most apps will have customization options	most apps will have customization options	yes
Overall ease of use for online Visual Coaching:	good options if already experienced with programs, not good choices for beginners	learning curve on apps will vary by user	learning curve on apps will vary by user	simple but powerful interface is good option for beginners as well as those experienced with any graphics program

Web Meeting

	GoToMeeting	WebEx	Zoom	Video Calls
Platform Options:	desktop or mobile device	desktop or mobile device	desktop or mobile device	depends on device
Subscription required?	yes	yes	yes	maybe
Is free subscription available?	not at this time	yes, with 50 minute limit for one-on-one meetings	yes, with unlimited one-on-one meetings *	depends on device
Is recording available?	only with 2nd level and higher paid plans	free plan requires local recording, paid plans have cloud recording option	free plan requires local recording, paid plans have cloud recording option	depends on device
Easy to share Paper live map activity during web meeting?	if computer is using a second video camera or document camera, then the Paper live map can be shared for concurrent viewing, but this is not an optimal setup			can occasionally direct camera to work in progress
Easy to share Cintiq live map activity during web meeting?	yes	yes	yes	not directly
Easy to share Pen Computer or Touchscreen Laptop live map activity during web meeting?	this setup is only practical if an external monitor is attached to Pen Computer or Touchscreen Laptop to view the client's webcam video stream			not directly
Easy to share Tablet live map activity during web meeting?	two options depending on tablet and web meeting platforms: #1) tablet joins as third attendee and shares tablet app to meeting (this option requires sufficient bandwidth for two video streams) #2) tablet device physically connected to computer running meeting and is shared from the computer to the meeting (results will vary based on hardware connectivity)			not directly
Overall ease of use for online Visual Coaching:	good option	good option	great option	option of last resort

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