
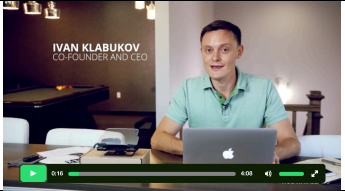





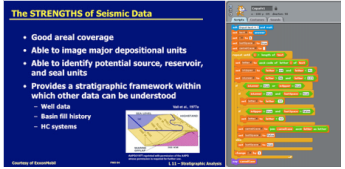



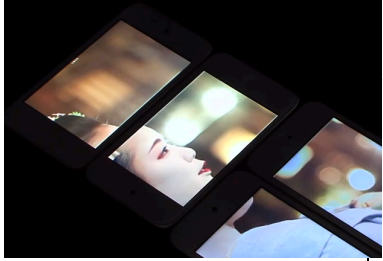
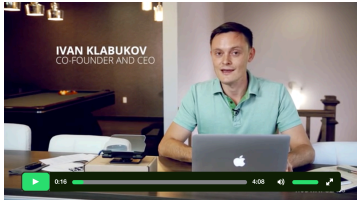


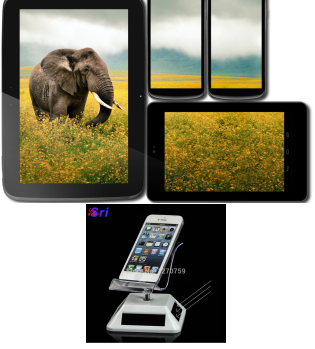

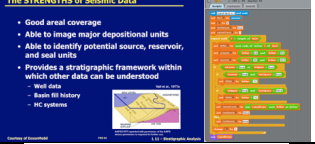

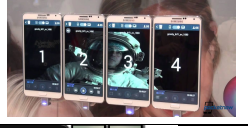




HKUST 25 Years Project #28: Omni Display System

Synopsis:

Nowadays, we all have smartphones or tablets. However, we often switch to a new phone model every now and then. These disposed phones are a burden to the environment and also a waste of money. In our daily life, we also often bring multiple devices with us when we leave the house. HKUST students came up with a great way for these devices to work together: in this video, we will portray several scenarios where smart devices can work together for entertainment or business purposes.

The video shooting will be done in one day only. The shooting date is suggested to take place on May 10, but is still under confirmation from the production company. Also, for all demonstrations of the system shown on devices within the scenes, it is suggested that we use videos rather than images.

	#	Shots	New Dialogue with [Time Interval]	New Detailed Scene Ideas with [Venue]	Technical Notes
Beginning	1		There are more than 7 billion mobile devices around the world. And every day, people spend more than 5 hours using them on average. [0:00 ~ 0:12]	* Show Logo * Statistical Information regarding 'Displays'	
	2		<Person A> "Hi, I am <Person A> and today, I'd like to show you a new way of utilizing your devices' displays. [0:12 ~ 0:18]	* Member of team introducing Dis Play briefly. [Venue: Office]	- Video team select suitable place to shoot video - <Person A> likely to be Professor Rossiter
Intro	3		We use our mobile devices (cont.) [0:18 ~ 0:20]	* Students with presentation slides on laptop screen [Venue: Library meeting room (or conference room)]	- No technical video preparation required for scenes 3 – 6 - We can use ourselves for these scenes
	4		(cont.) everyday, everywhere we go. [0:20 ~ 0:22]	* Students using multiple laptops during a meeting. [Venue: Starbucks (or general meeting place without TV screen)]	
	5		However, it is inconvenient (cont.) [0:22 ~ 0:24]	* Connect laptop with large presentation screen (TV or projector) through HDMI cable. [Venue: Library meeting room]	- Need to show that it is obviously inconvenient, e.g. stumbles with cables - HDMI Cable available
	6		(cont.) to share with others. [0:24 ~ 0:26]	* One student turns his laptop around physically to show his group. [Venue Starbucks/Meeting place]	- (cont.) Need to show that it is obviously inconvenient, e.g. the presenter is frowning, others cannot properly see the display due to glare, not enough view-angle to show everyone
One-to-Many	7	Simulation 	Our system is called "Dis Play". [Dis Play] let's you use your devices' displays beyond boundaries through software. [Dis Play] can be used in classrooms. See lecture screens on your own devices, [0:26 ~ 0:31]	* The professor uses [Dis Play] to broadcast his own screen to the students. [Venue: LSK Lecture theatre – because it looks more decent than other buildings]	KEEP: Education Scene - Use lecture room - Require many students to participate - invite / bring friends - Show slides from COMP 1021 - Real demo possible but performance is slow. - Cannot bring many phones. Planning to use 4 phones.
Many-to-One	8	Simulation 	(cont.) anyone can easily ask questions in a new way, and also get direct feedback from others if you want! [0:31 ~ 0:35]	* (cont.) Students ask questions through the screen and professor receives them in real-time (can be like comments on pdf files, or simple text chat alongside the screen) Professor can see students' screens. [Venue: LSK Lecture theatre]	- Video on screen needs to be prepared beforehand - Create Pretend Video
	9	Simulation 	Also, you can play a game with your friend on the same screen. Why not have a go at beating your friend on Deemo? [0:35 ~ 0:40]	* Two or perhaps Four friends in a Common Room or Library meeting room. They all look at the TV screen on the wall, and 2 or 4 screens are on it with the same game. (For example, Temple Run at same time). Or connect Laptop screen as well. [Venue: Common Room or Library meeting room]	- Need Video on screen (Many-to-One already applied) prepared for the shoot. - Can use 2 phones and a monitor with no image content - Achieve scene through video editing

Meta	10	<p>Simulation</p> 	<p>[Dis Play] can also be used for creative marketing. Small businesses and individuals can use our feature with devices you own already to Stand Out from the crowd.” [0:40 ~ 0:46]</p>	<p>* Use 2 examples of playing video on the displays. One straight alignment, and one complex alignment. [Venue: Engineering Commons]</p>	<p>KEEP: Video Producer is CONFIDENT - Require Tablet PCs - Stick them on a wall - Make use of “Groupix” software for Android</p>
	Summary	11		<p><Person A> “But in order for this to become a reality, we need your support. The Dis Play system has 3 main modes. (cont.)” [0:46 ~ 0:50]</p>	<p>* Same background as in Scene 2 [Venue: Office]</p>
One-to-Many	12	<p>Simulation</p> 	<p>“(cont.) The One-to-Many feature enables you to share whatever on your phone with your friends, or, if you’re in a classroom setting, with students. (cont.)” [0:50 ~ 0:56]</p>	<p>* A movie (any movie) playing in Multiple displays (between a group of friends). The image appears at once on all devices. [Venue: Outside – LSK Study area]</p>	<p>- “Green Screen” enabled to make the feature look like it’s working at the video editing stage by the producing company. - Is more technical scene than previous One-to-Many scene. - Create Pretend Video</p>
Many-to-One	13	<p>Simulation</p> 	<p>“(cont.) The Many-to-One feature lets you see multiple screens on your screen. It can provide you better project or meeting management methods. (cont.)” [0:56 ~ 1:03]</p>	<p>* Have a Many-to-One display (perhaps in a group meeting in Library meeting room), with 1 screen playing the same movie as in previous scenes and other screens showing that they are doing work. [Venue: Library meeting room]</p>	<p>- Need Video on screen (Many-to-One already applied) prepared for the shoot. - Create Pretend Video of the movies shown on the display(s).</p>
Meta	14	<p>REAL (or Simulation)</p> 	<p>“(cont.) Lastly, our most advanced feature, the meta-display, lets you use multiple displays to show the display of one device. It can be extensively used for many purposes, such as entertainment and creative marketing. (cont.)” [1:03 ~ 1:10]</p>	<p>* One scene of meta-display showing a picture through multiple displays. With a rotating phone on a turntable for one of the displays. [Venue: INSIDE (since it is real demo, the videos on the displays need to be clear) – Visitor Information Centre (next to Souvenir shop)]</p>	<p>KEEP - REQUIRED REAL TECH DEMO - We can actually do it - add rotating table figure - Can really do it - Make use of “Groupix” with another image. - Could be real, but depending on circumstances, may have to use simulated video.</p>
Ending	15		<p>“(cont.) Please give us your support, (cont.)” [1:10 ~ 1:12]</p>	<p>* Scenes of previous applications of the features, followed by happy people from Scenes 3-6 using the software features. Start with Education Scene.</p>	
	16		<p>“(cont.) to provide a new education environment, (cont.)” [1:12 ~ 1:14]</p>		
	17		<p>“(cont.) a better entertainment experience, (cont.)” [1:14 ~ 1:16]</p>		
	18		<p>“(cont.) with your family and friends, (cont.)” [1:16 ~ 1:18]</p>		
	19		<p>“(cont.) and a creative way to use your devices. (cont.)” [1:18 ~ 1:20]</p>		
	20		<p>“(cont.) every penny helps (cont.)” [1:20 ~ 1:22]</p>	<p>* Same place from scenes 3 & 5, but the presenter is using [Dis Play] to show his/her laptop screen on the TV without a cable, and everyone happy.</p>	
	21		<p>“(cont.) in bringing this system to reality (cont.)” [1:22 ~ 1:24]</p>	<p>* Same place from scenes 4 & 6, but the presenter is using [Dis Play] to show his/her laptop screens on every other’s laptop displays easily, and everyone is happy.</p>	
	22		<p>[1:24 ~ 1:26]</p>	<p>END WITH LOGO.</p>	