



Photo App Design

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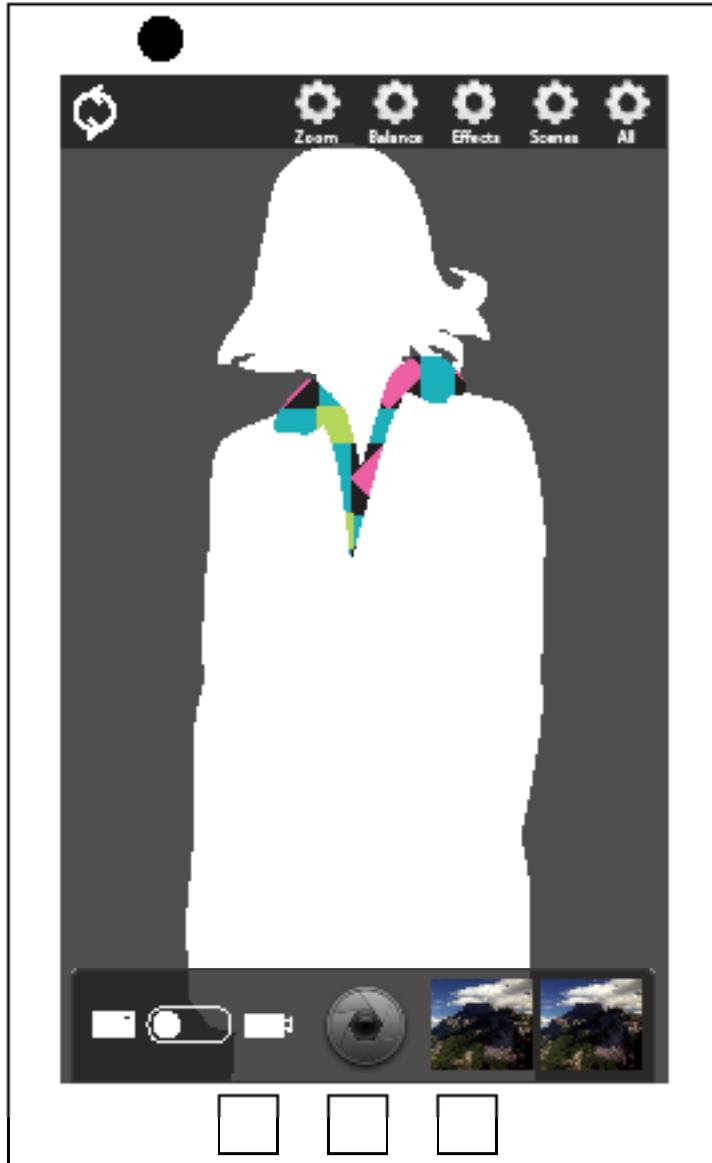
CAPTURE

This document contains wireframes reflecting the features and functionality for camera and video capture. Capture includes taking photo and video, as well as settings for such. It contains 2.2 functionality and enhancements that we thought appropriate for the applications and orientations.

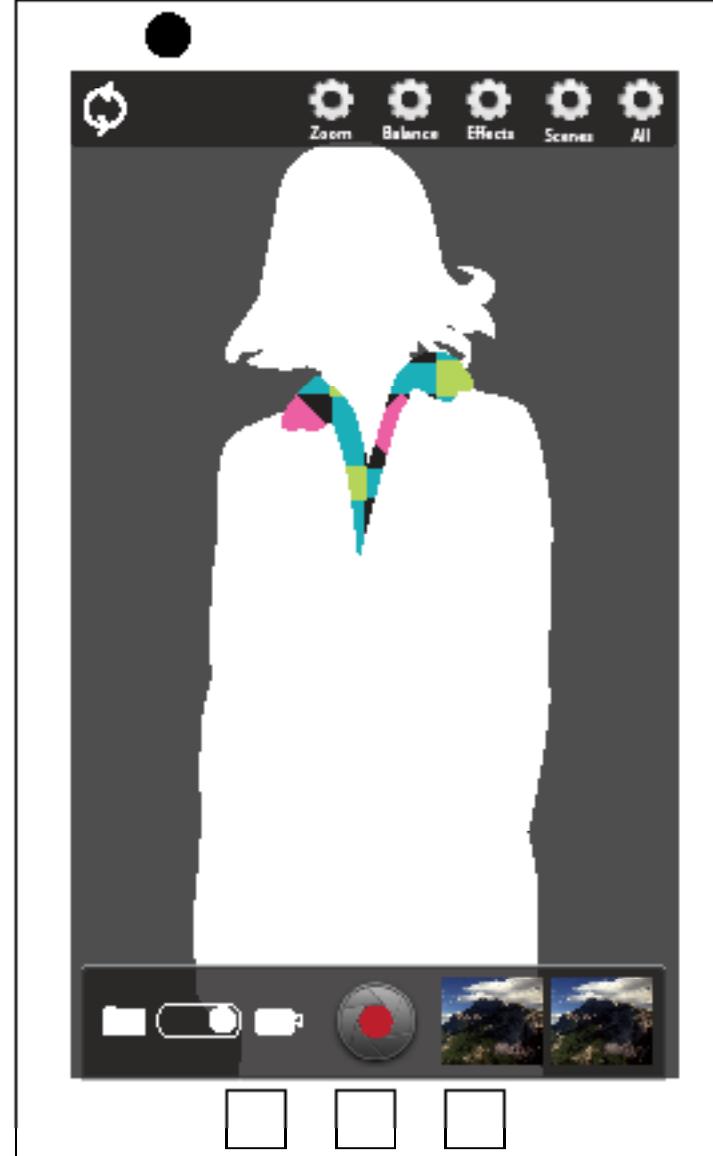
PORTRAIT SINGLE

CPS1 CAMERA / VIDEO: WPC

CPS1 Capture Photo



CPS2 Capture Video

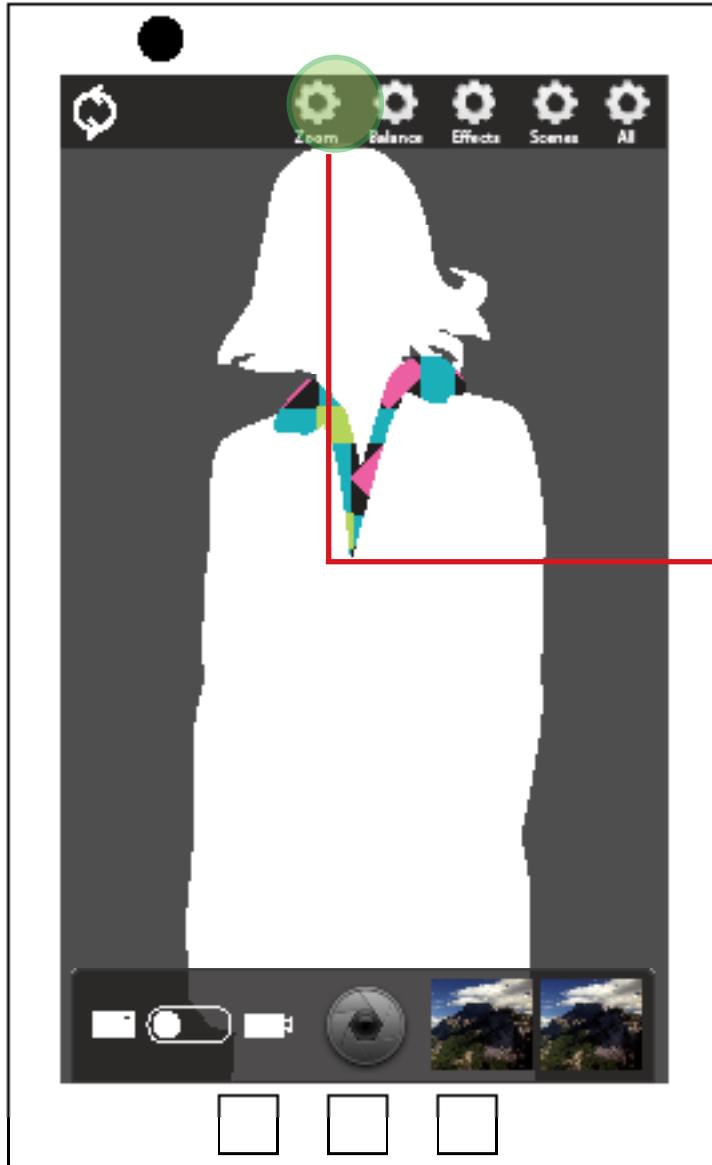


When the camera is launched, interaction with all other apps is suspended until the camera is closed. This means that while camera is open, the user will not be able to navigate to other applications via the WPC.

When the phone is open to view dual screen and camera is launched, the application will launch as a full screen application. The same rules will apply in dual screen. The user will not be able to interact with other applications until the camera is closed.

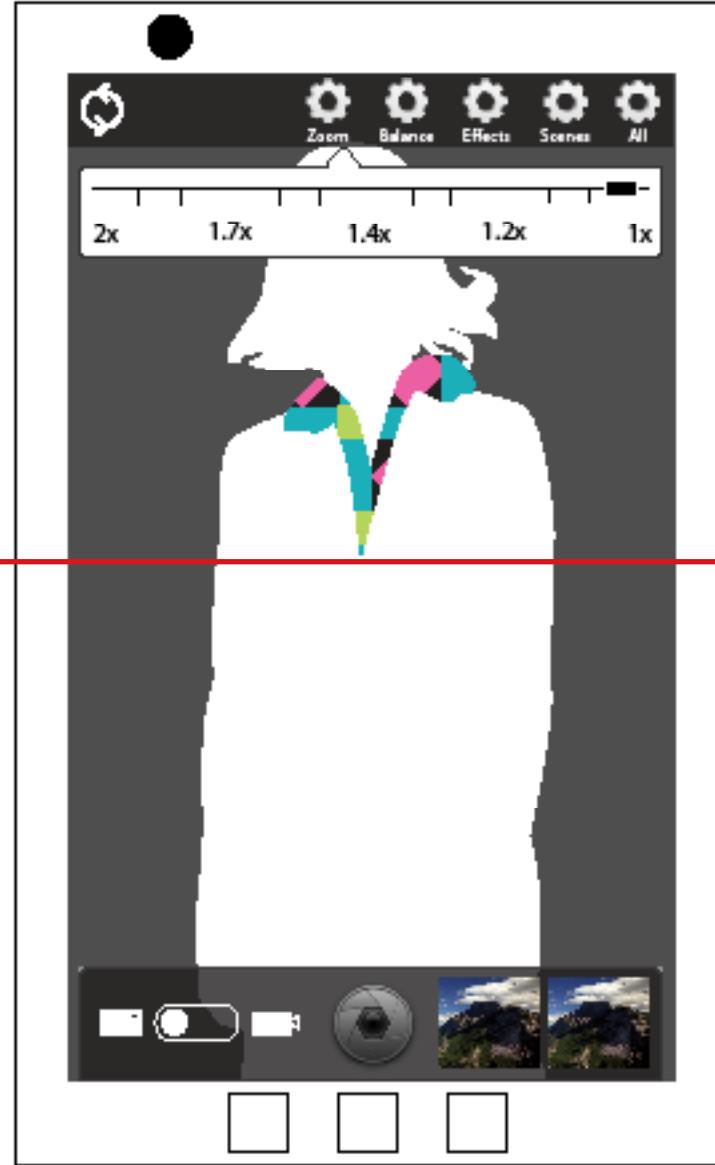
CPS2 CAMERA: First Level Settings

CPS1 Capture Photo



1. Tap a setting icon.

CPS1.2 Camera Zoom Setting Menu



2. Menu is displayed

Easy access to frequently used settings

First Level Settings

Zoom: 1x, 1.2x, 1.4x, 1.7x, 2x

Balance: Auto, Incandescent, Daylight, Fluorescent, Cloudy

Effects: None, Mono, Sepia, Negative, Solarize, Posterize, Aqua

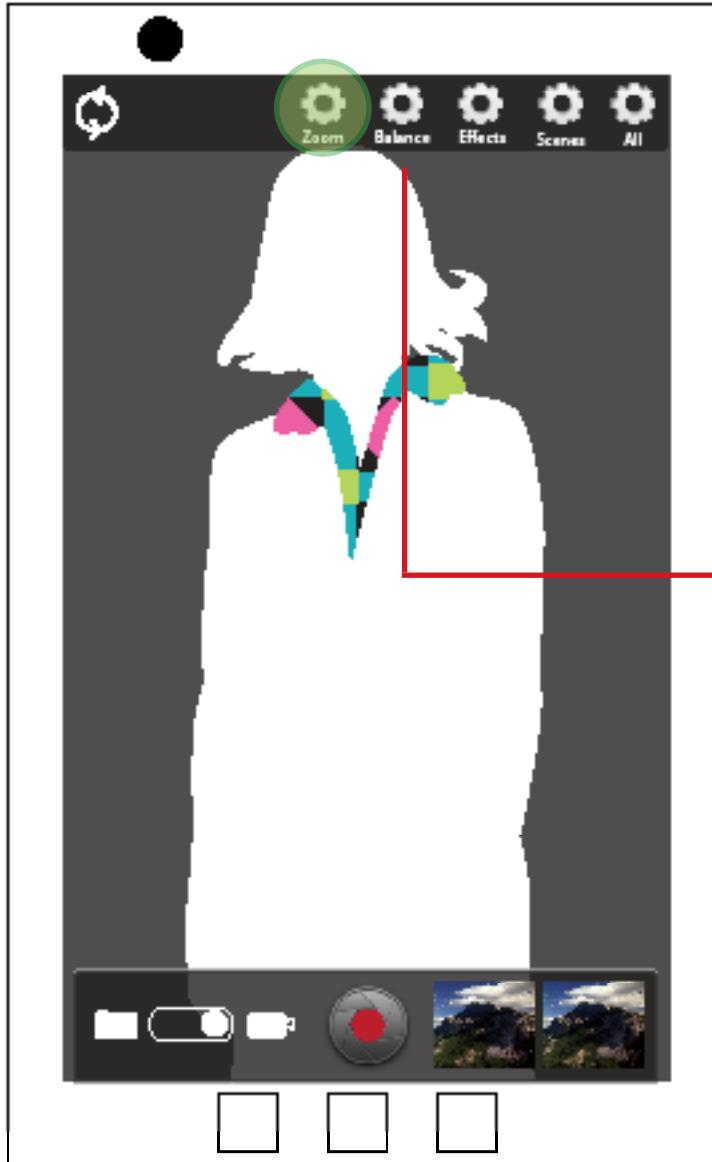
Scenes: None, Landscape, Sports, Portrait, Night, Party/Indoor, Beach/Snow, Sunset, Dawn, Fireworks, Fall Color, Text, Candlelight, Backlight

A subset of the camera settings (most frequently used) are surfaced persistently and accessed via a single tap.

Zoom can also be accomplished via a pinch and spread to zoom in and out. This is in addition to the Zoom setting in the settings bar.

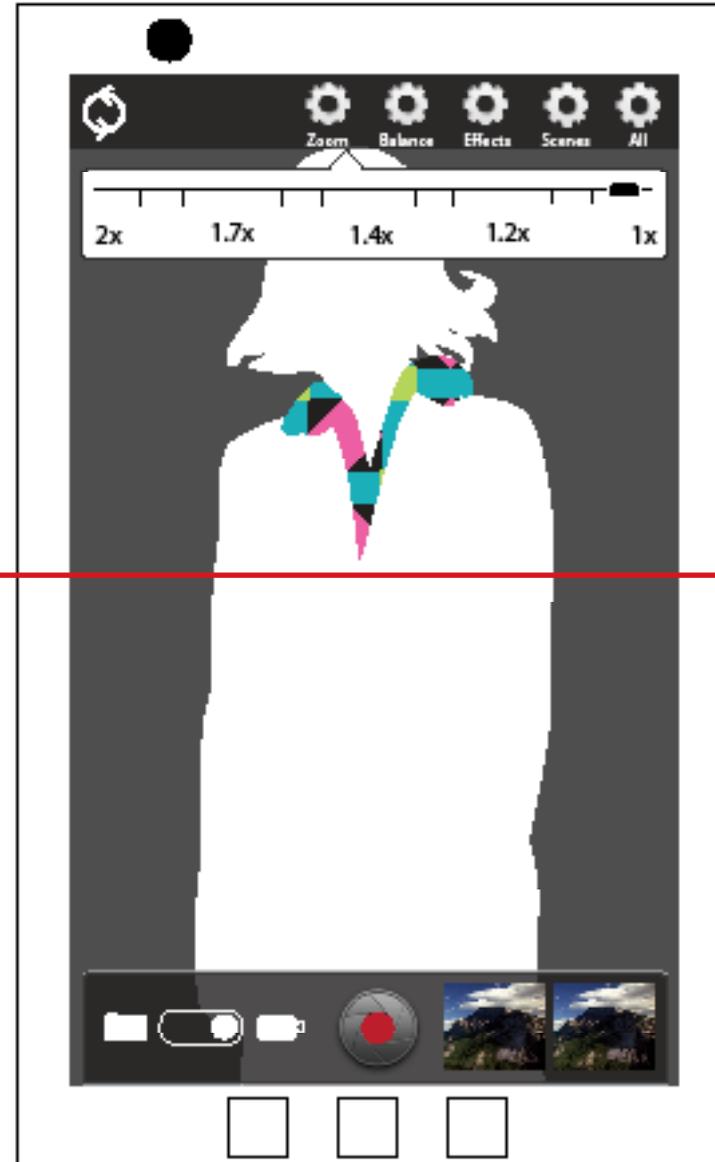
CPS3 VIDEO: First Level Settings

CPS2 Capture Video



1. Tap a setting icon.

CPS2.2 Video Zoom Setting Menu



2. Menu is displayed

Easy access to frequently used settings

First Level Settings

Zoom: 1x, 1.2x, 1.4x, 1.7x, 2x

Balance: Auto, Incandescent, Daylight, Fluorescent, Cloudy

Effects: None, Mono, Sepia, Negative, Solarize, Posterize, Aqua

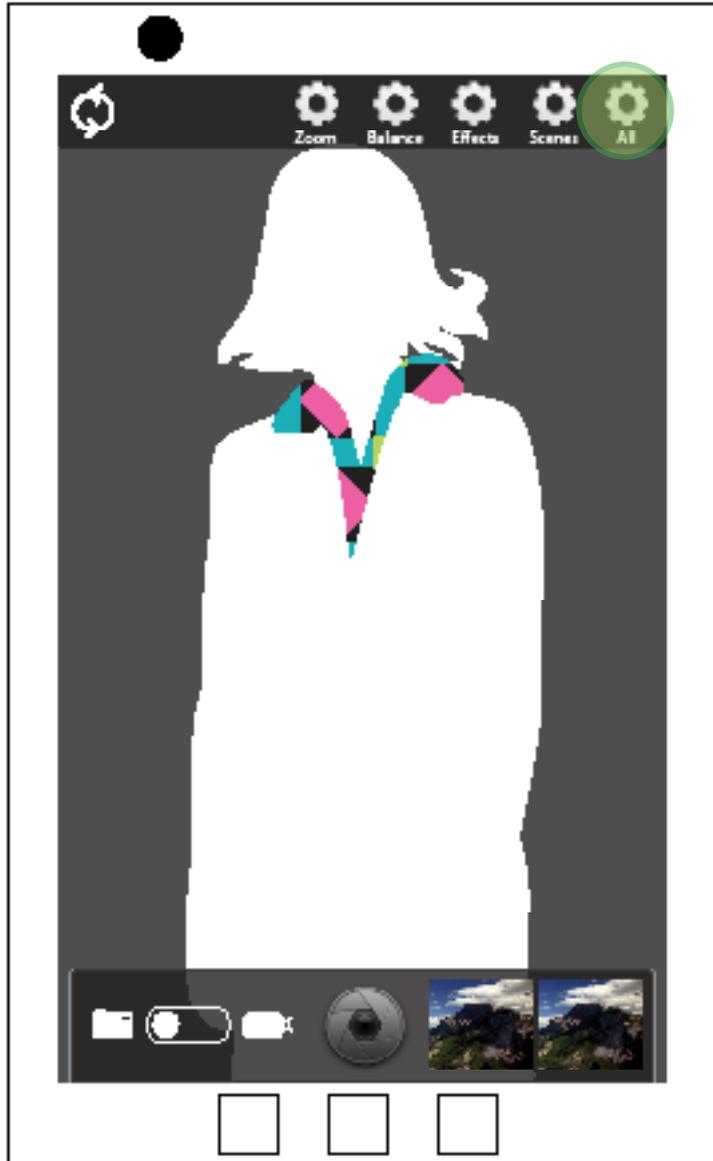
Scenes: None, Landscape, Sports, Portrait, Night, Party/Indoor, Beach/Snow, Sunset, Dawn, Fireworks, Fall Color, Text, Candlelight, Backlight

A subset of the camera settings (most frequently used) are surfaced persistently and accessed via a single tap.

Zoom can also be accomplished via a pinch and spread to zoom in and out. This is in addition to the Zoom setting in the settings bar.

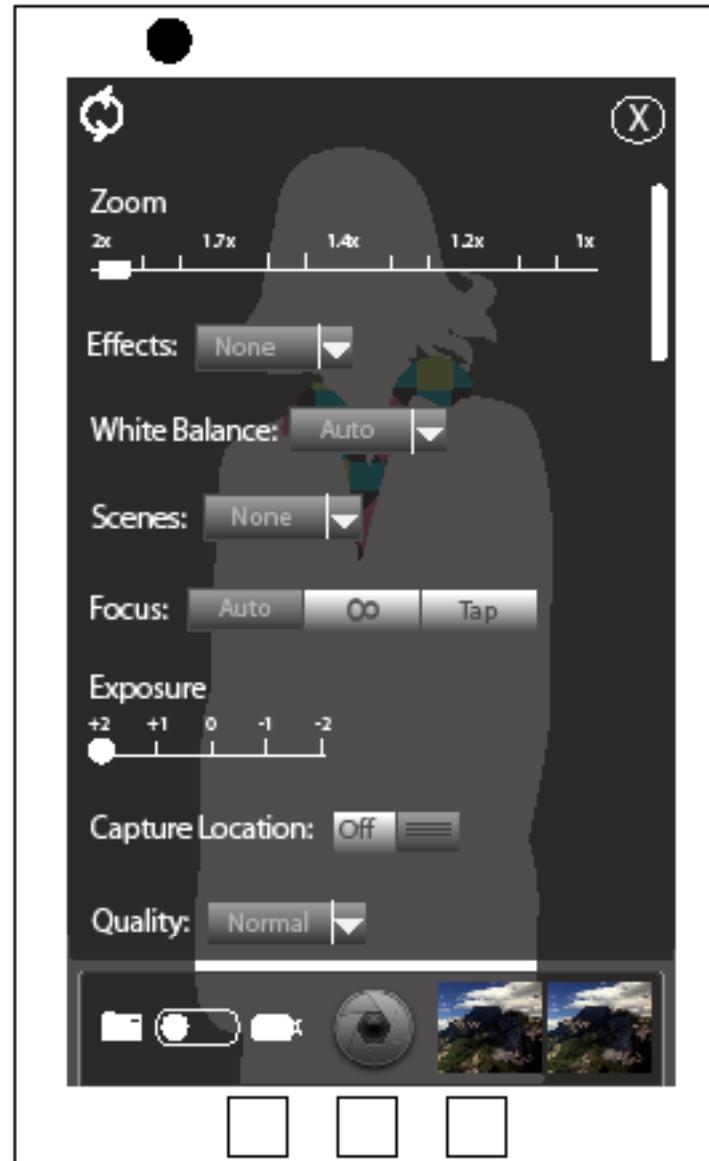
CPS4 CAMERA: Accessing All Settings

CPS1 Capture Photo



1. Tap All icon to see full list of settings.

CPS1.3 All Camera Settings



2. All settings panel comes down from top of screen to display all settings. User can close by swiping up or tapping Close icon.

As with the first option, only a few settings are initially displayed on screen. In this case, they are the settings that can be previewed in the viewfinder (e.g. zooming in on something).

To access all settings, the user would tap an All icon. A panel sweeps down from the top of the screen to display all settings.

CPS5 CAMERA: All Settings

All Camera Settings

Zoom: 1x, 1.2x, 1.4x, 1.7x, 2x

Scenes: None, Landscape, Sports, Portrait, Night, Party/Indoor, Beach/Snow, Sunset, Dawn, Fireworks, Fall Color, Text, Candlelight, Backlight

Effects: None, Mono, Sepia, Negative, Solarize, Posterize, Aqua

Timer

Focus: Auto, Infinity, Tap to Focus

Exposure: +2, +1, 0, -1, -2

ISO: Auto, Min, Max

Metering: All, Center, Spot

Picture Size (4:3/16:3): 5M Pixels, 3M Pixels, 1.3M Pixels, VGA

Picture Quality: Superfine, Fine, Normal

Camera Settings: Restore to defaults

Capture Location: Off, On

Balance: Auto, Incandescent, Daylight, Fluorescent, Cloudy

Anti-Shake: On, Off

Back of Camera Displays: Nothing, Viewfinder

Hardware Mapping

Mute Key: Shutter release

Volume Up/Down Keys: Zoom in/zoom out

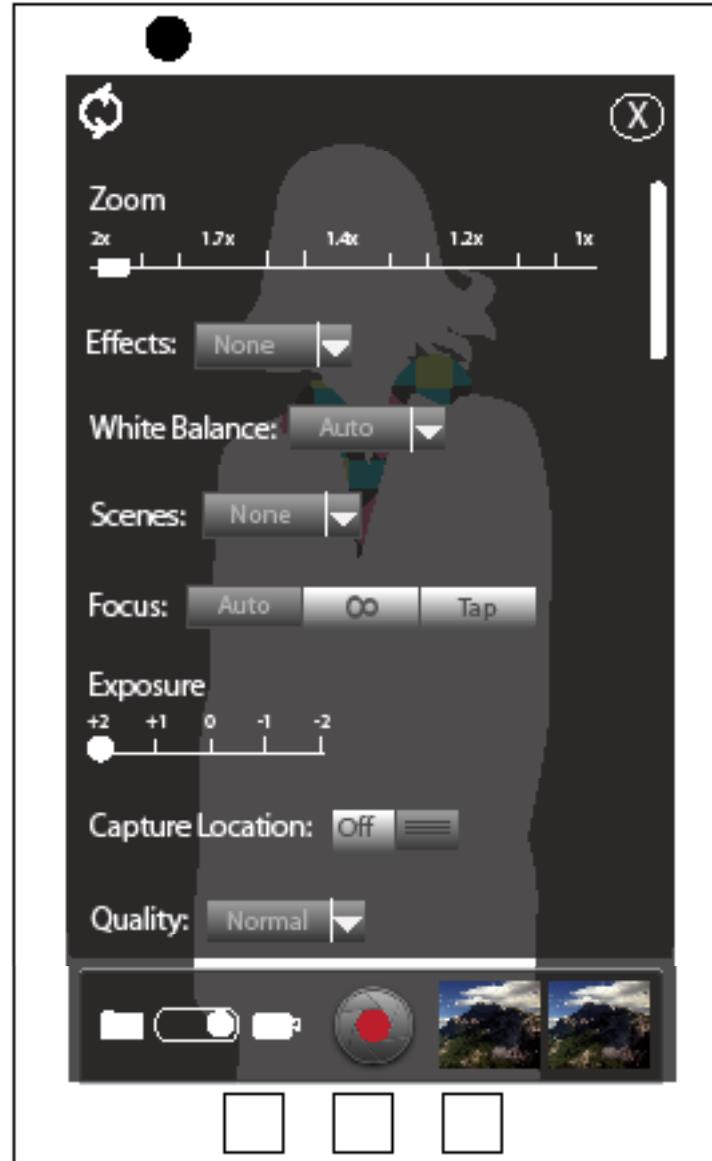
CPS6 VIDEO: All Settings

CPS2 Capture Video



1. Tap All icon to see full list of settings.

CPS2.3 All Camera Settings



2. All settings panel comes down from top of screen to display all settings. User can close by swiping up or tapping Close icon.

All Video Settings

Focus: Auto, Infinity, Tap to Focus

Exposure: +2, +1, 0, -1, -2

Metering: All, Center, Spot

Video Quality (4:3/16:3): High (30m), Low (30m), MMS (Low, 30s), YouTube (High, 10m)

Color Effect: None, Mono, Sepia, Negative, Solarize, Posterize, Aqua

Video Settings: Restore to defaults

Capture Location: Off, On

Balance: Auto, Incandescent, Daylight, Fluorescent, Cloudy

Zoom: 1x, 1.2x, 1.4x, 1.7x, 2x

Anti-Shake: On, Off

Scenes: None, Landscape, Sports, Portrait, Night, Party/Indoor, Beach/Snow, Sunset, Dawn, Fireworks, Fall Color, Text, Candlelight, Backlight

Back of Camera Displays: Nothing, Viewfinder
Timer

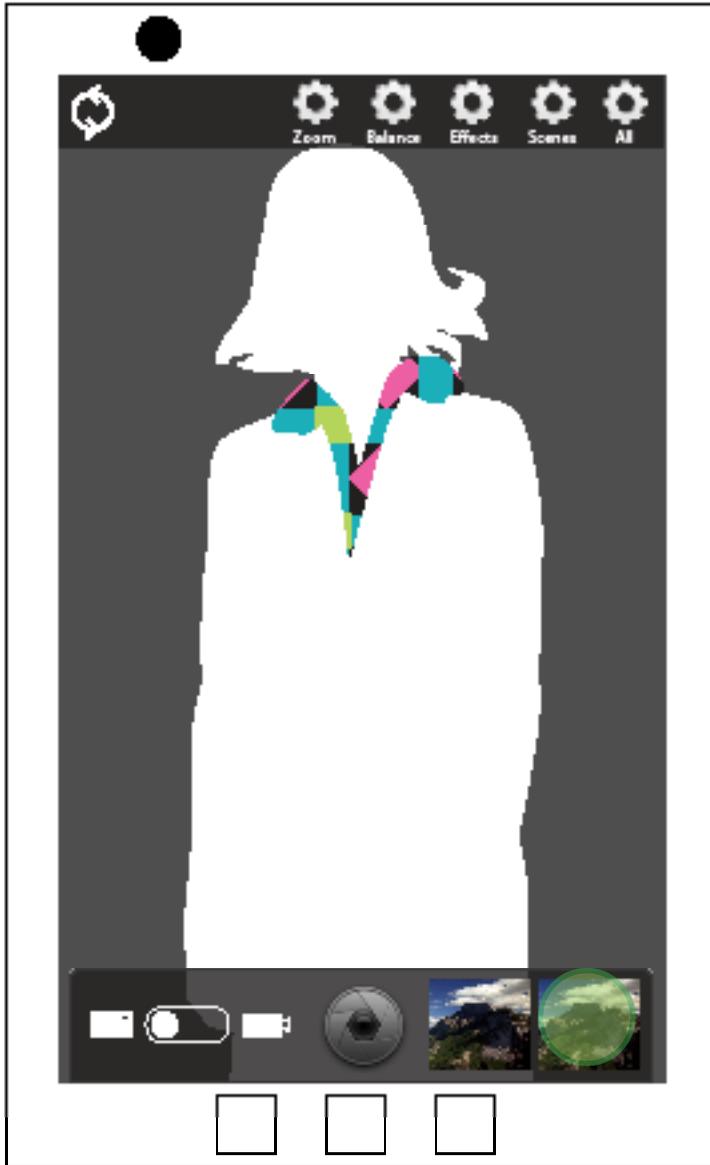
Hardware Mapping

Mute Key: Shutter release

Volume Up/Down Keys: Zoom in/zoom out

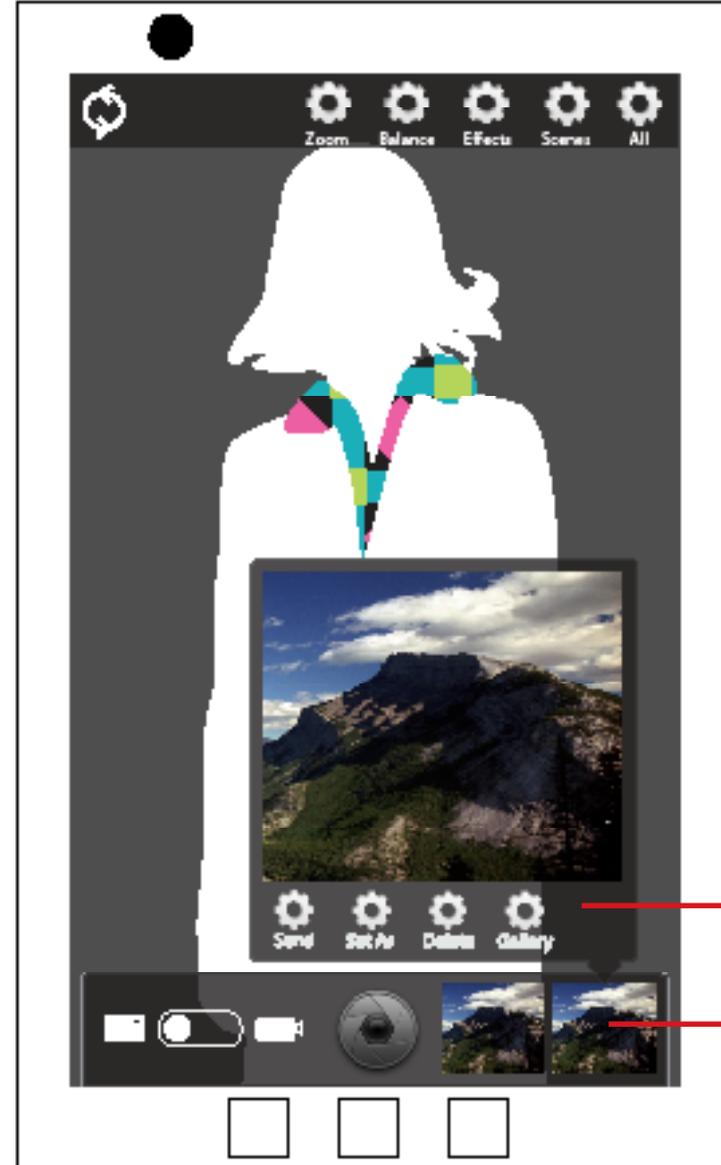
CPS7 CAMERA: Most Recent Photo Options

CPS1 Capture Photo



1. The two most recent photos are displayed. Press and hold recent photo.

CPS1.4 Most Recent Photo Menu



2. A larger thumbnail of the photo, along with a menu of recent photo options, is displayed.

More functionality for recent photo without leaving capture experience

Photo Options

Send: Displays menu with send options: MMS, Email, Bluetooth

Set As: Displays a menu that allows user to set photo as wallpaper or as contact image.

Delete: Deletes image.

Gallery: Displays Gallery in Album view.

Menu options surface up most common actions users might want without completely jumping out of capture mode.

Tap recent photo to see full screen view.

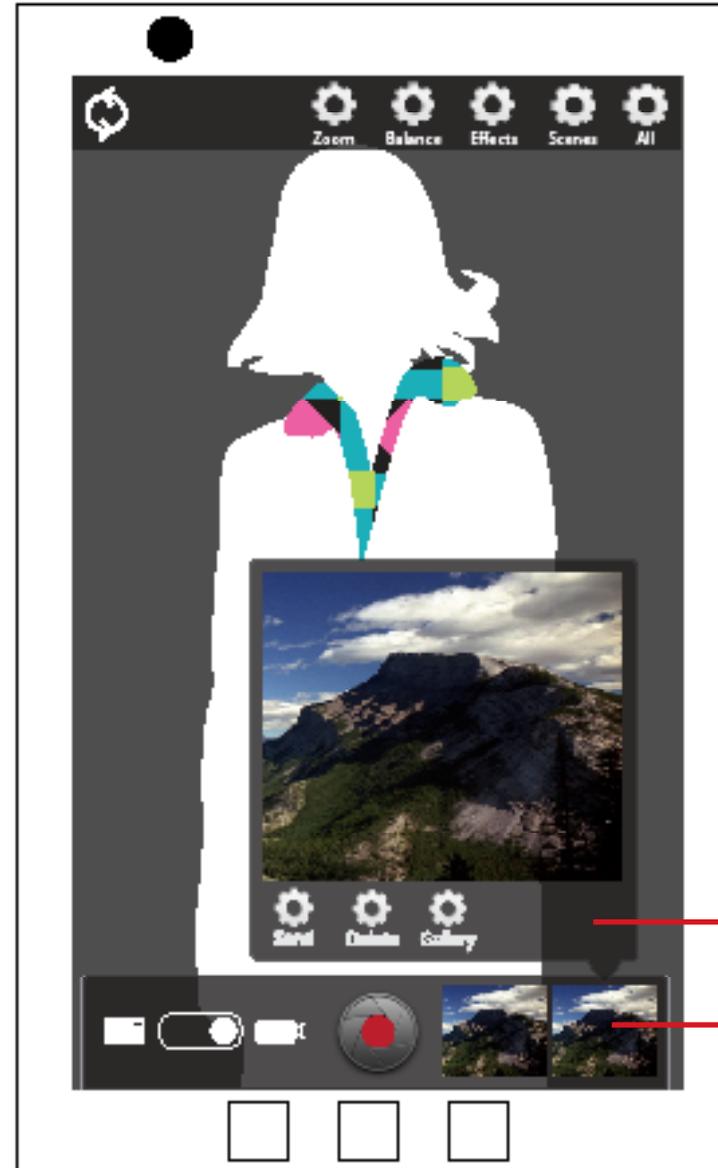
CPS8 VIDEO: Most Recent Video Options

CPS2 Capture Photo



1. The two most recent videos are displayed. Press and hold recent video.

CPS2.4 Most Recent Video Menu



2. A larger thumbnail of the video, along with a menu of recent video options, is displayed.

More functionality for recent video without leaving capture experience

Video Options

Send: Displays menu with send options: MMS, Email, Bluetooth

Delete: Deletes image.

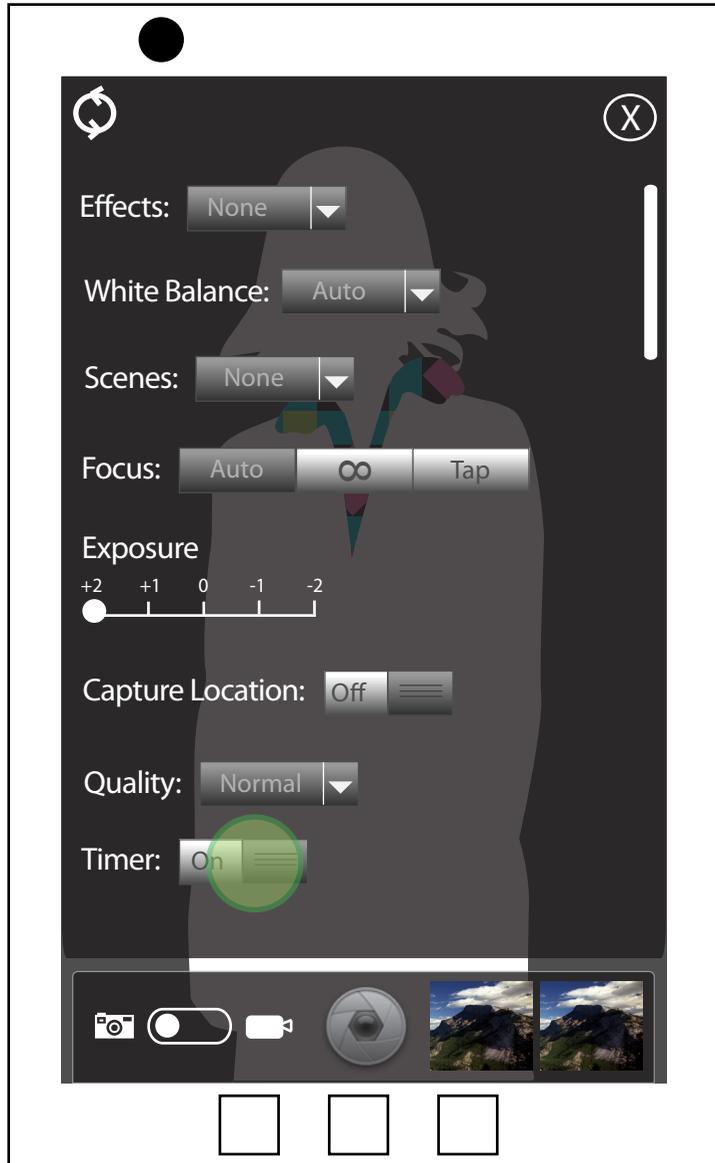
Gallery: Displays Gallery in Album view.

Menu options surface up most common actions users might want without completely jumping out of capture mode.

Tap recent video to see full screen view.

CPS9 CAMERA/VIDEO: Timer

CPS1.3/2.3 All Camera/Video Settings



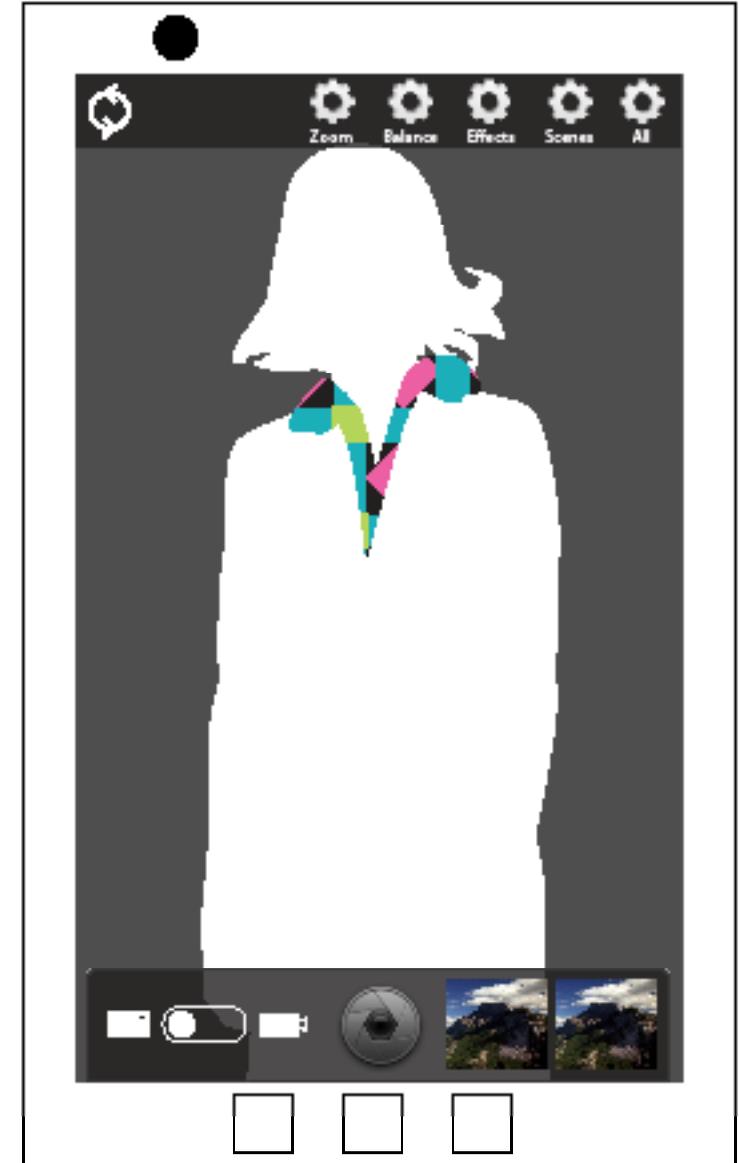
1. Tap Timer icon.

CPS1.5/2.5 Timer



2. The capture controls are replaced with a countdown timer. Tapping X icon stops the timer.

CPS1/2 Capture Photo/Video



3. The photo/video has been taken and the basic capture controls are displayed.

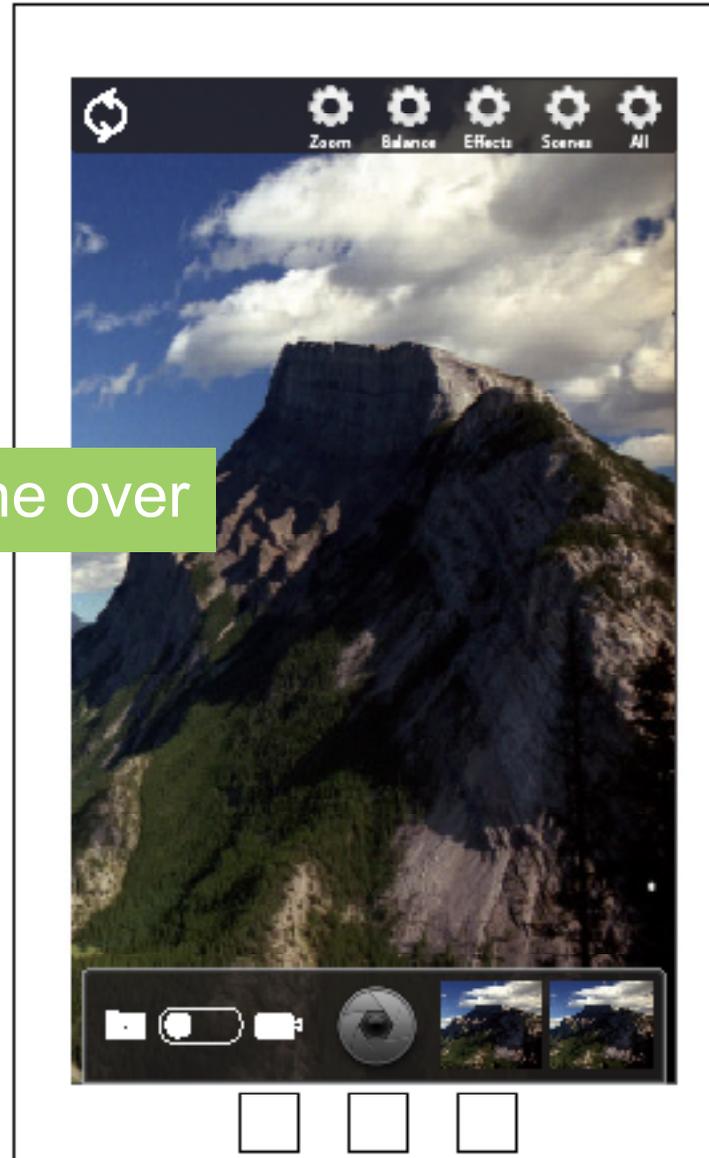
CPS10 CAMERA/VIDEO: Swapping Front Facing Camera

CPS1/2 Capture Photo/Video



1. This is the front of the phone. Camera is facing the user. Tap 'swap' icon and then turn the phone over.

CPS1.6/2.6 Capture Photo/Video (group mode)



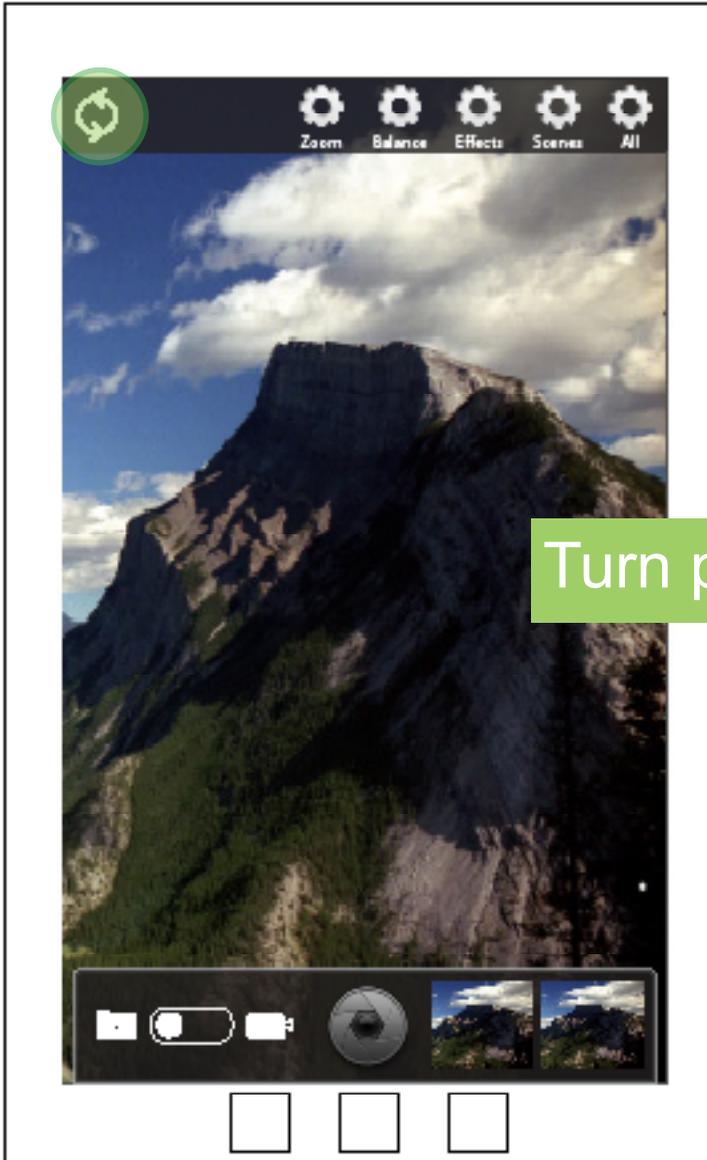
2. This is the back of the phone. The camera is facing away from the user. All controls are displayed here.

Take outward facing photo and video

We've introduced swap controls for the camera so that users can use the device to take photos and video in either 'front facing' mode or 'outward facing' mode. Tapping the toggle switches the displays of the camera controls from one side to the other.

CPS11 CAMERA/VIDEO: Swapping Outward Facing Camera

CPS1.6/2.6 Capture photo (group mode)



1. This is the back of the phone. The camera is **NOT** facing the user. Tap swap icon.

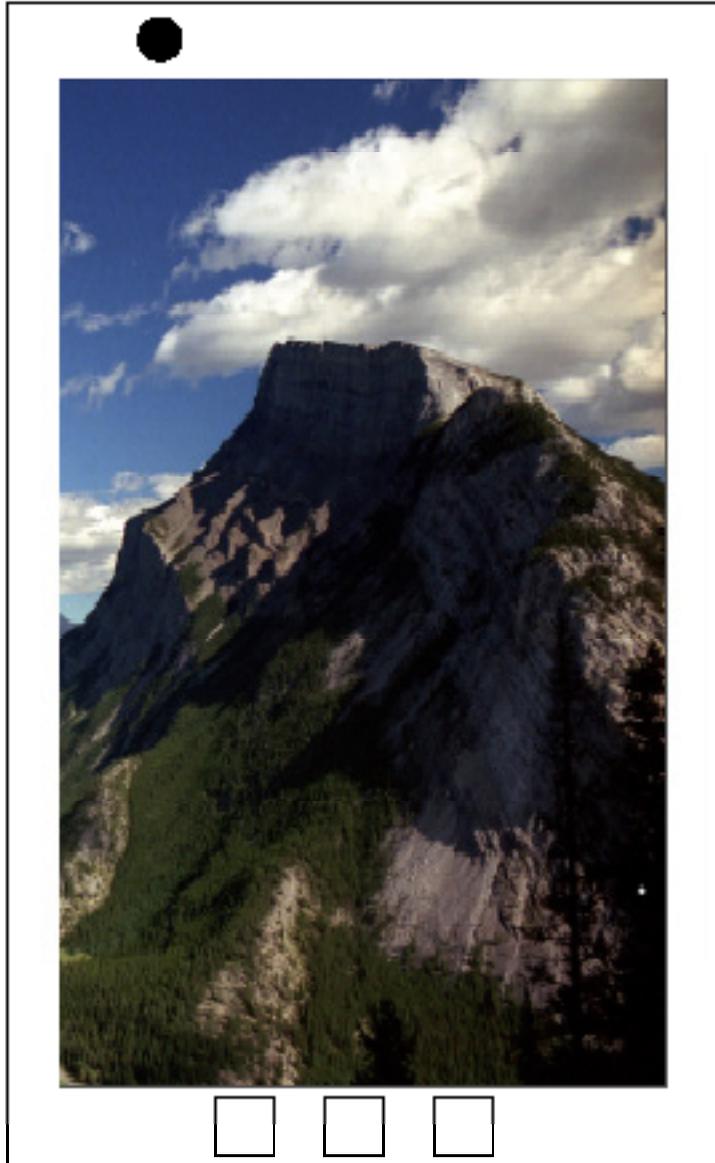
CPS1/2 Capture Photo/Video



2. User turns phone over. This is the front of the phone. The camera is facing the user. All controls are displayed here.

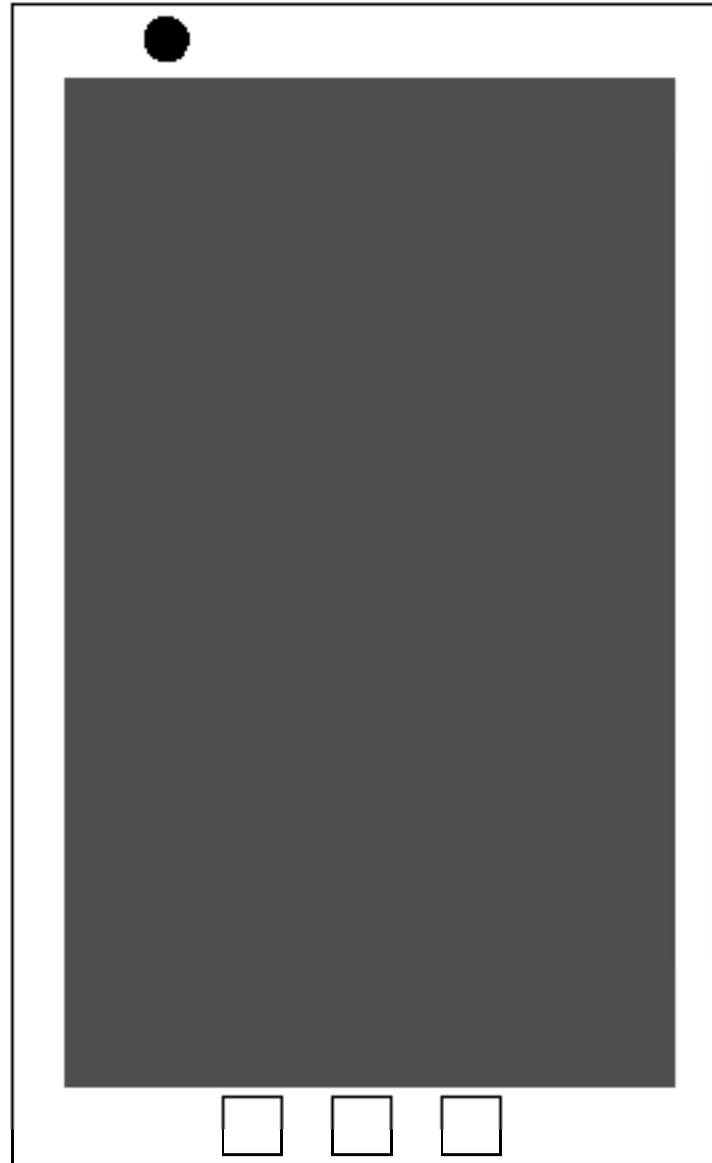
CPS12 CAMERA/VIDEO: Back of Camera Options

CPS1.7/2.7 Back of camera (viewfinder)



The camera can display what is seen in the viewfinder, giving the subject a preview of the photo.

CPS1.8/2.8 Back of camera (nothing)

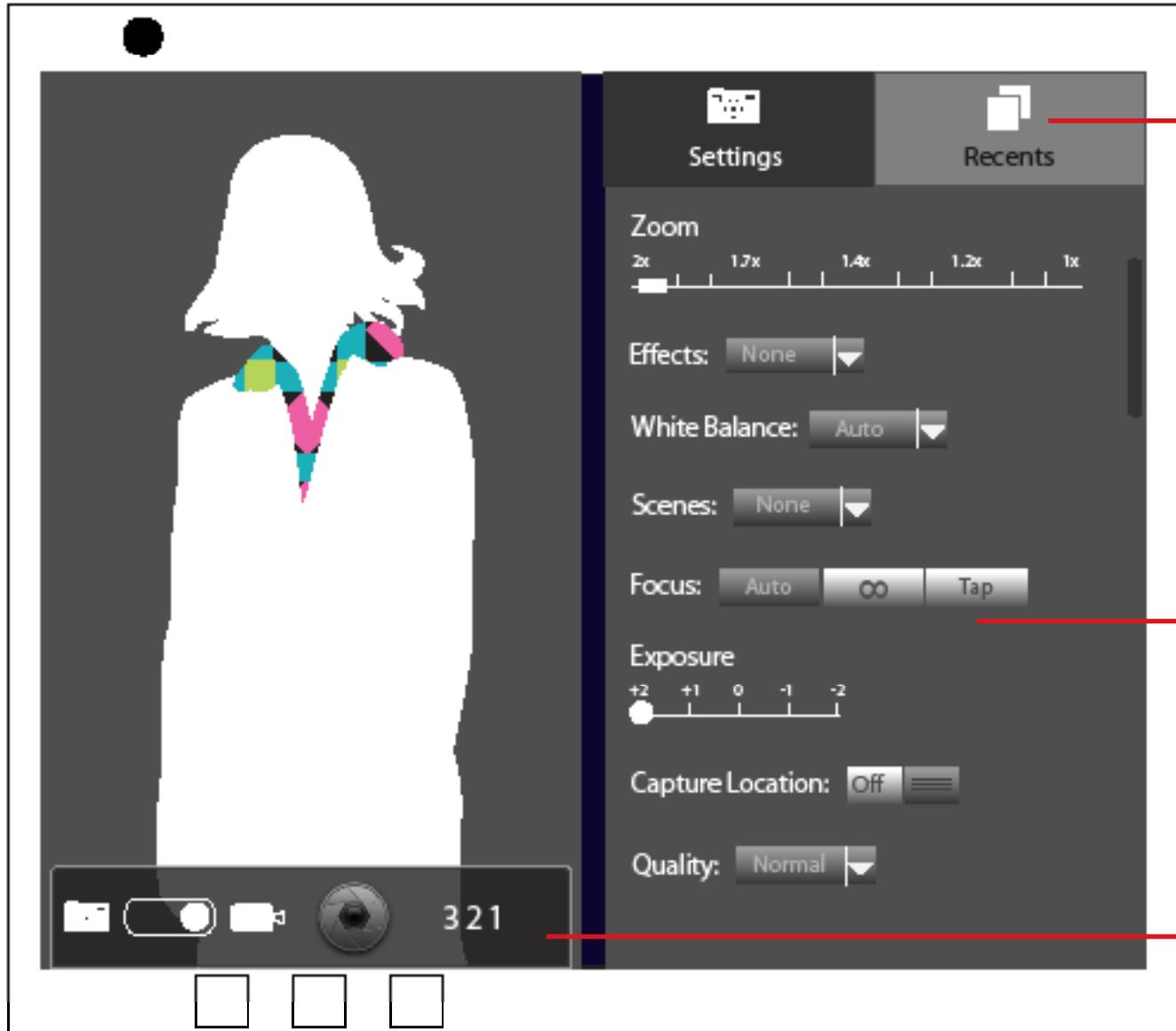


The camera can display nothing, saving battery power.

PORTRAIT DUAL

CPD1 CAMERA: Capture & Settings

CPD1 Capture Photo (settings)



Tabs for settings and recent photos.

Easy access to all settings; not menu-driven

In dual screen, we have exposed the camera settings and recently taken photos. In dual screen, the camera cannot be 'switched' as it can in single screen.

We've retained the basic camera controls on screen 1: shutter, camera/video toggle, and timer.

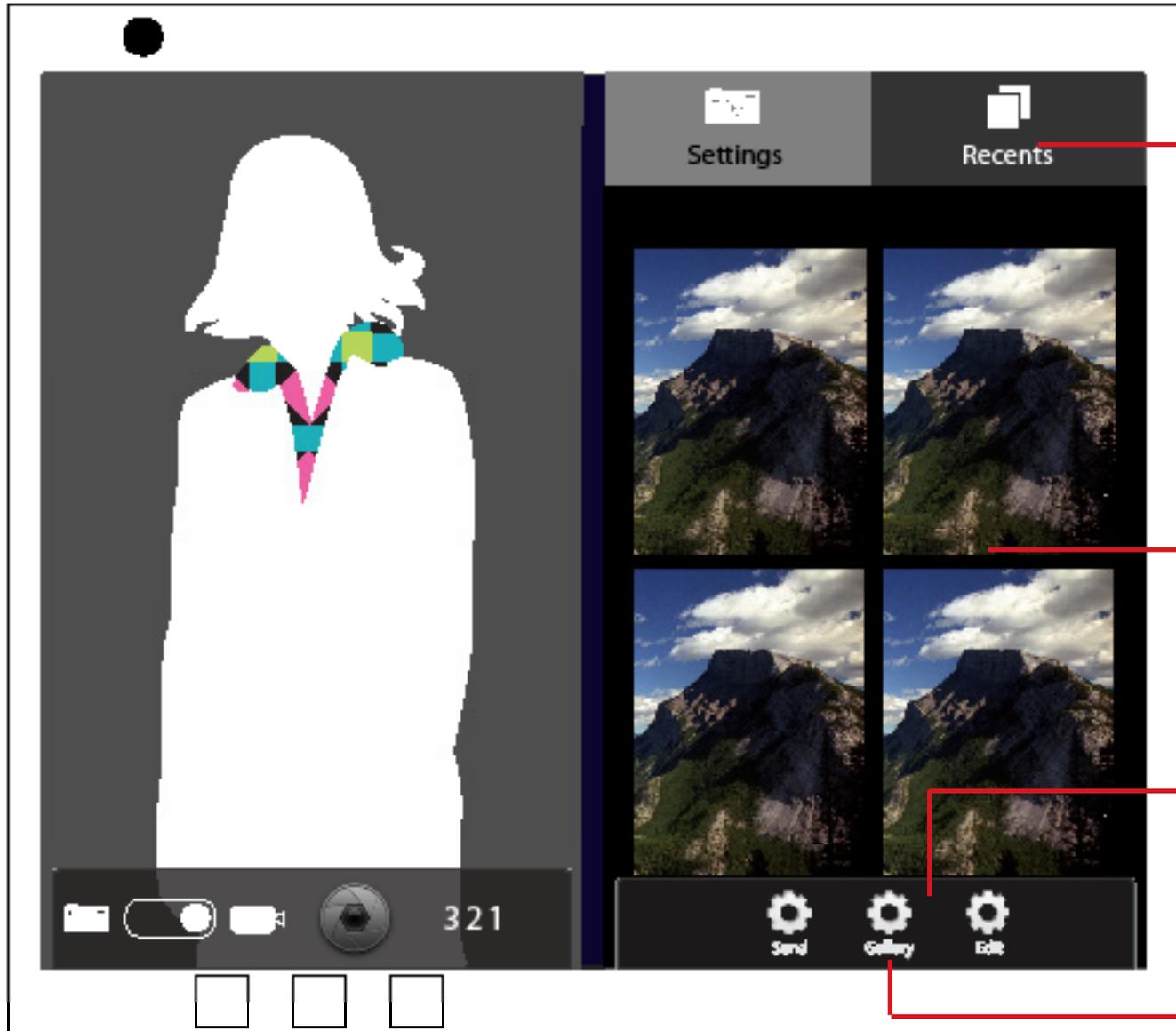
All settings should be sticky, as should the tab the user had last accessed. Recents should be the default tab displayed.

We've changed some controls from menus into controls that provide better affordances for the action.

Basic camera controls remain on screen 1.

CPD2 CAMERA: Capture & Settings (con't)

CPD1.2 Capture Photo (recents)



Tabs for settings and recent photos.

Grid of most recently taken photos. Note that this is **NOT** the gallery.

Basic actions for recent photos. These are the same settings available on press and hold of recent photo. This is not full gallery functionality.

Access to the Gallery is provided here. Tapping the icon displays the Gallery.

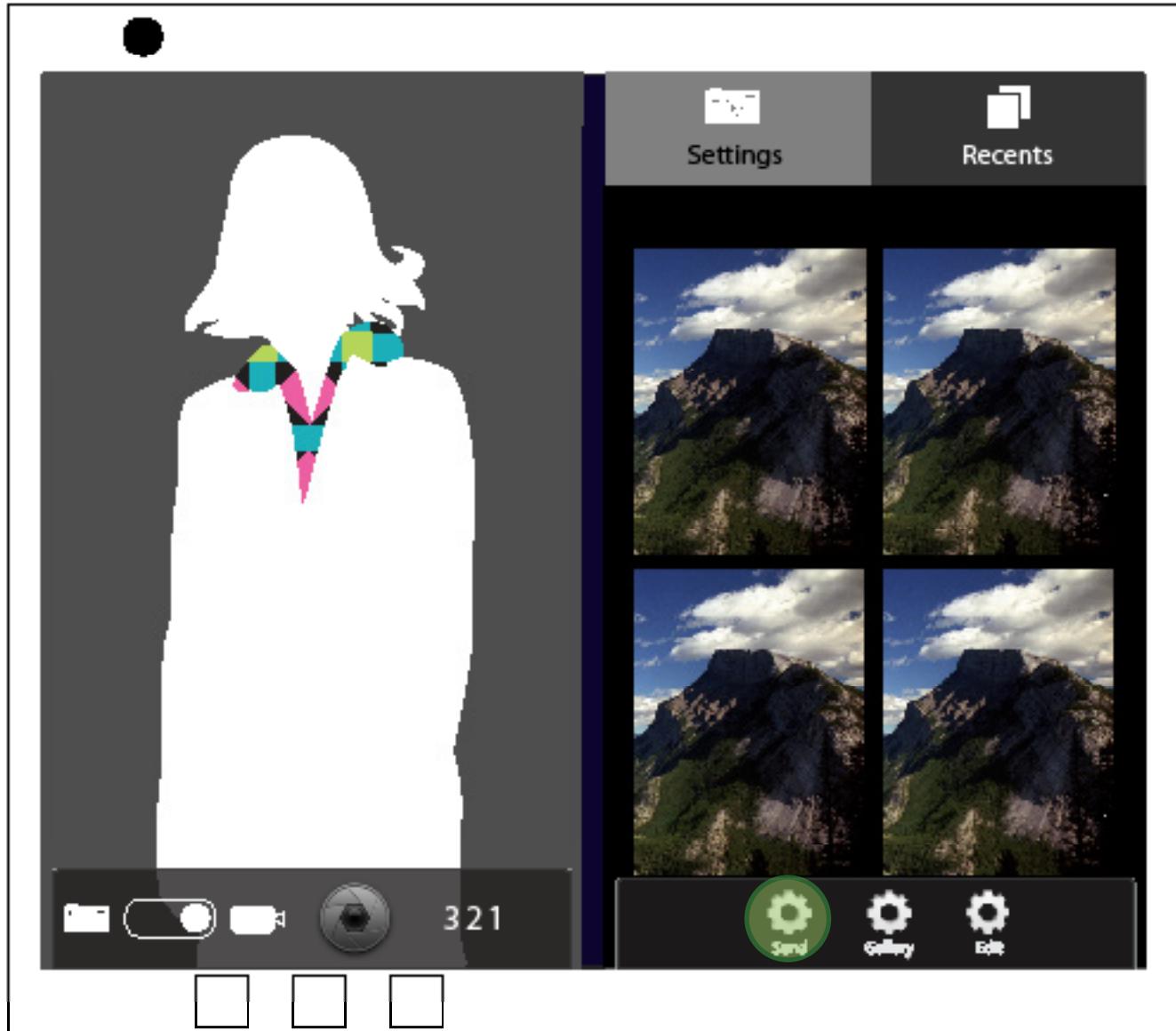
View grid of recent photos

In dual screen, instead of surfacing just the two most recent photos the user has taken, we display large thumbnails, enough to fit the screen. Note that these photos don't belong to a specific album, they are just the most recent photos the user has taken. If a user removes a photo, the next most recent photo is displayed. If a user takes a new photo, that photo replaces the last most recent photo to maintain the photo grid.

From here, we've provided some very basic gallery/picture functionality such as send, delete, and set as. The user will have the ability to multi-select here too. Tapping a photo will display the photo full screen.

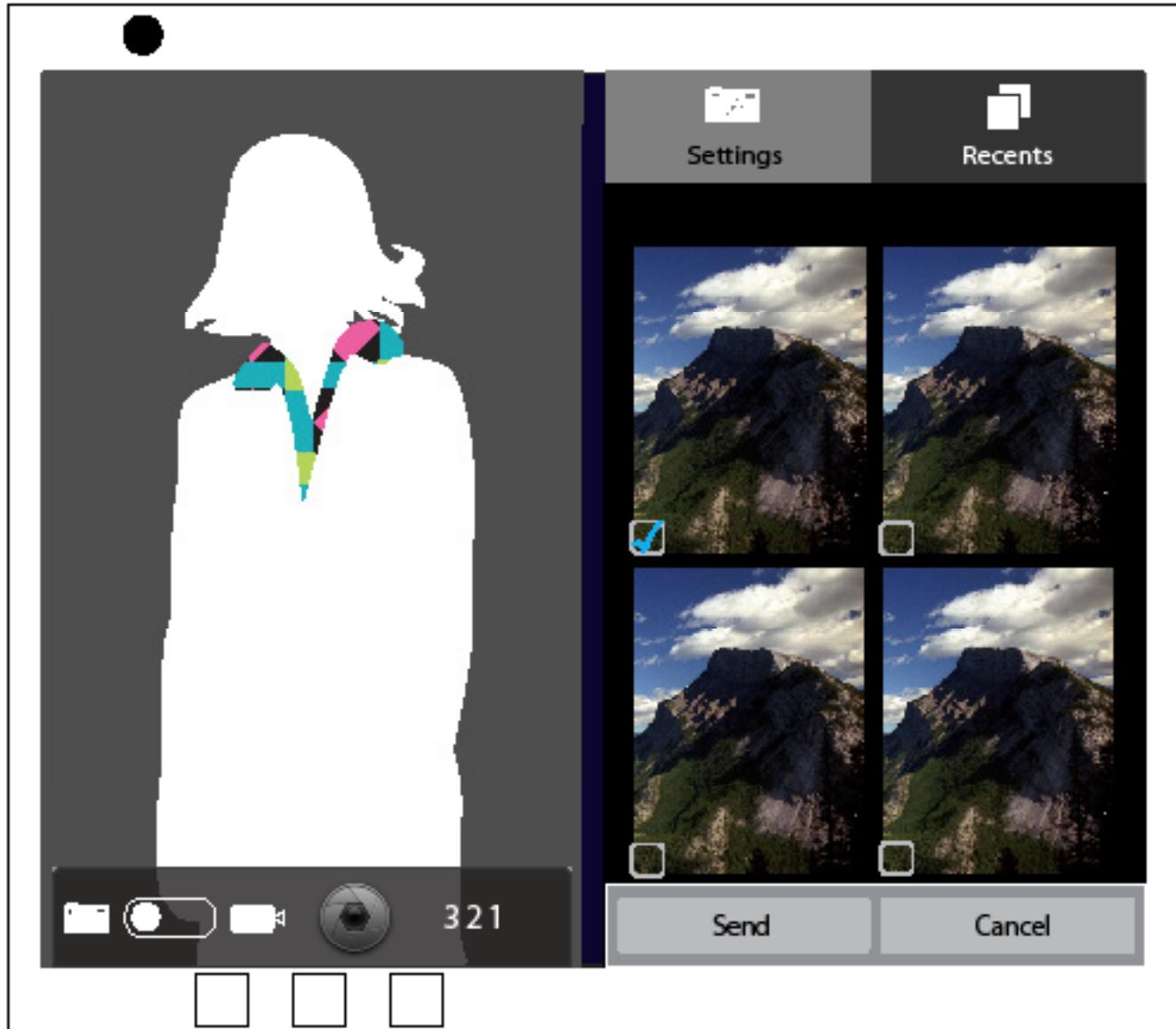
CPD8 CAMERA: Send Photo/Video

CPD1.2 Capture Photo (recents)



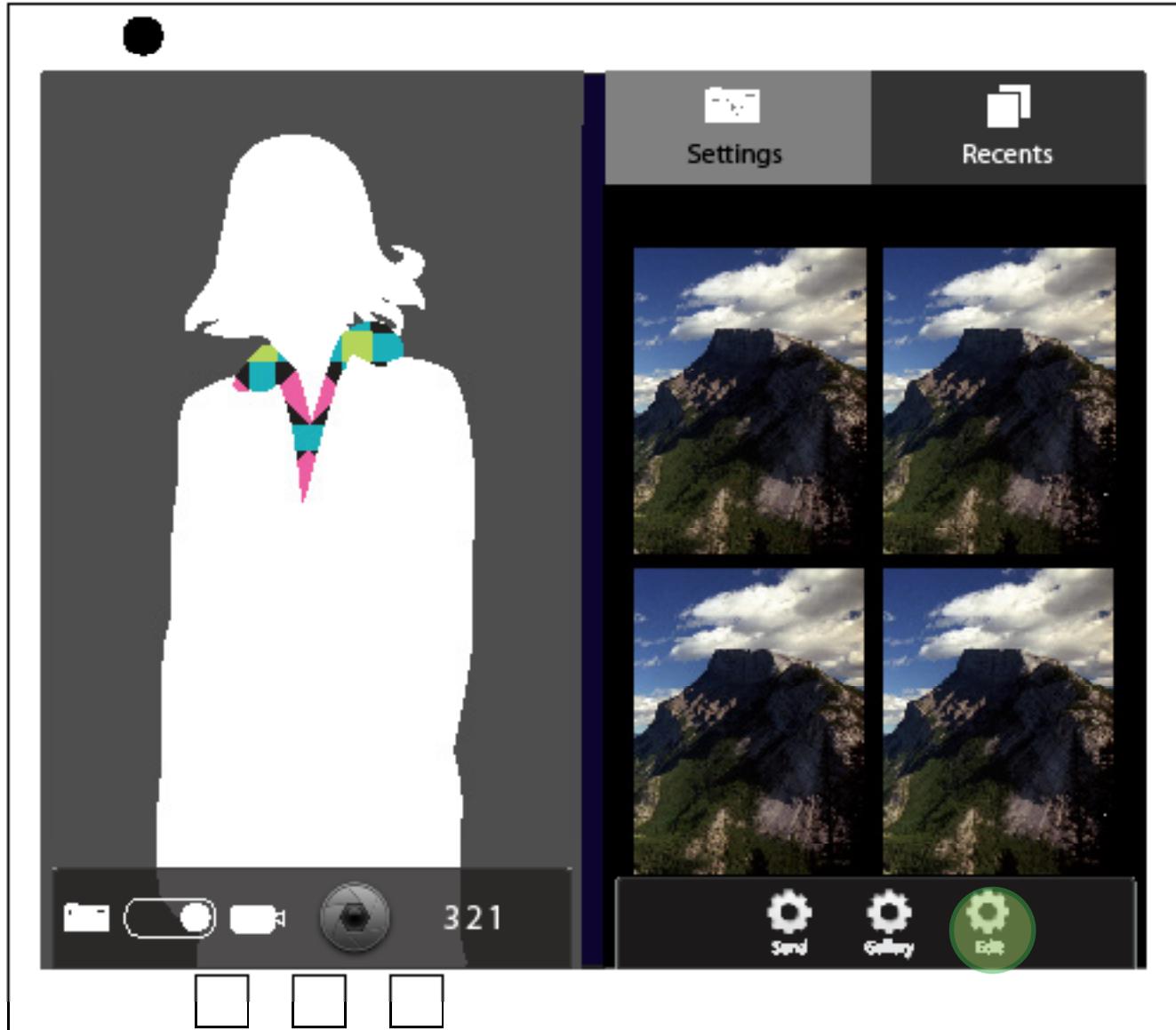
CPD9 CAMERA: Send Photo/Video (con't)

CPD1.3 Send Photos



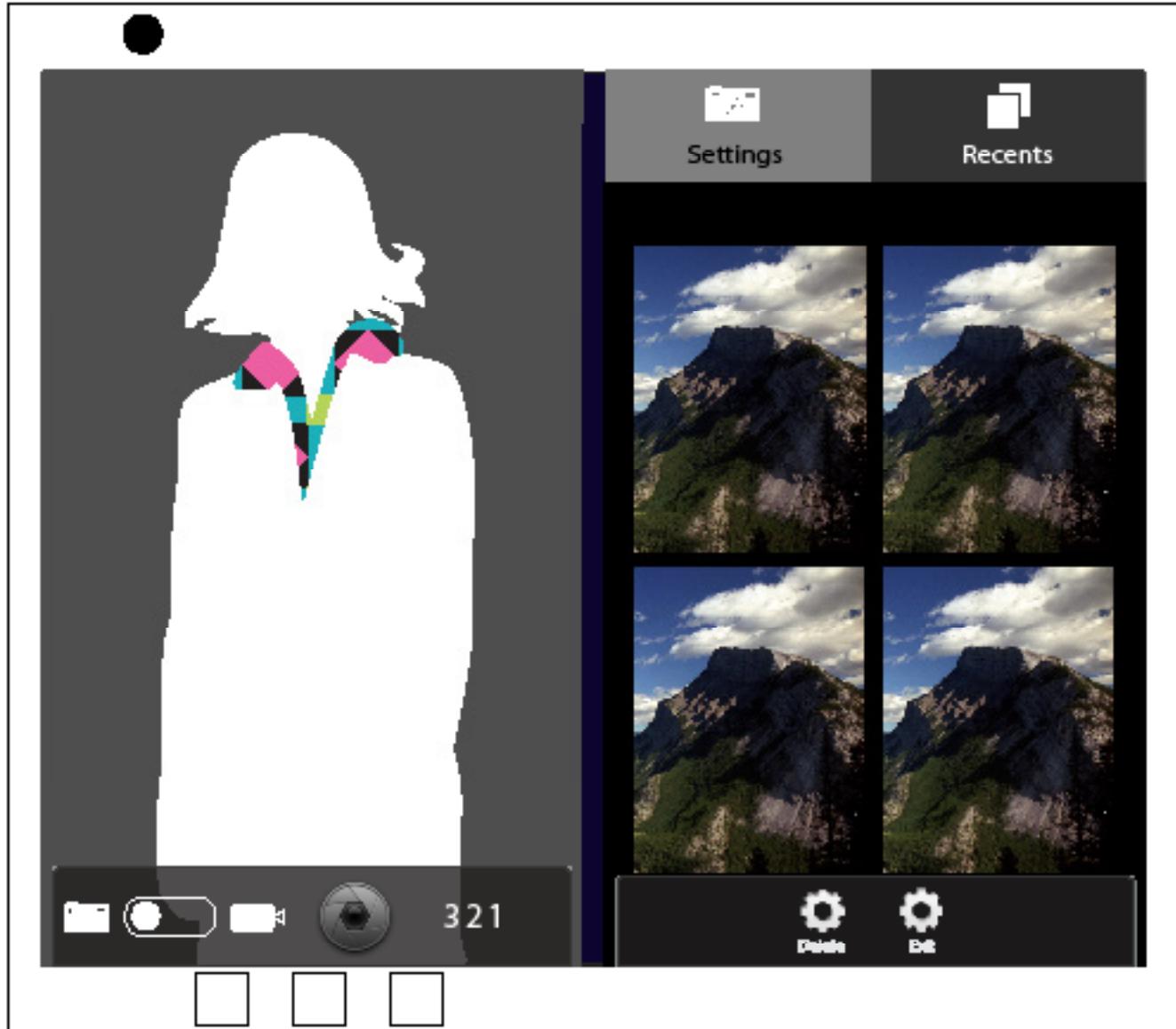
CPD10 CAMERA: Edit

CPD1.2 Capture Photo (recents)



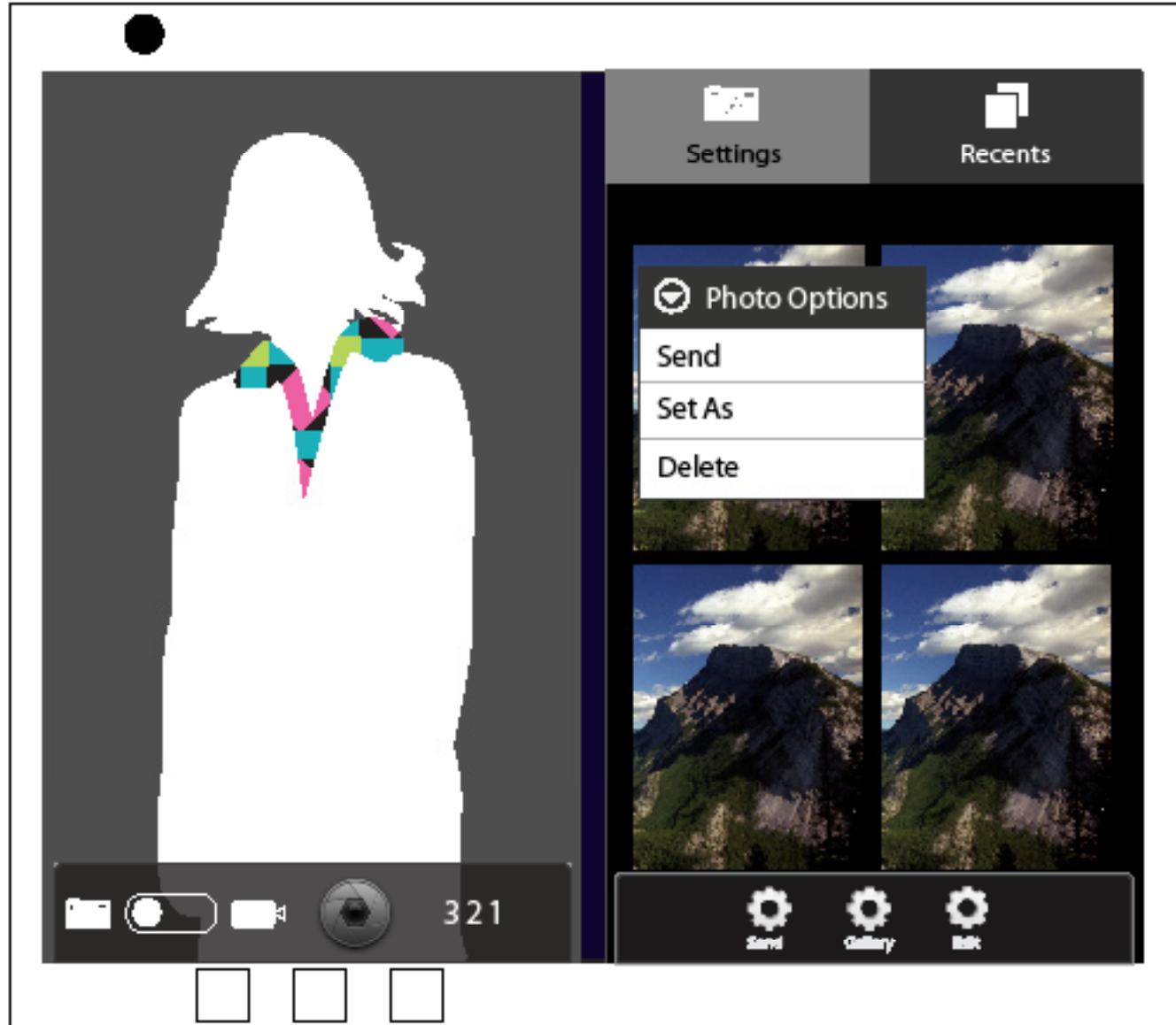
CPD11 CAMERA: Edit

CPD1.4 Edit Mode



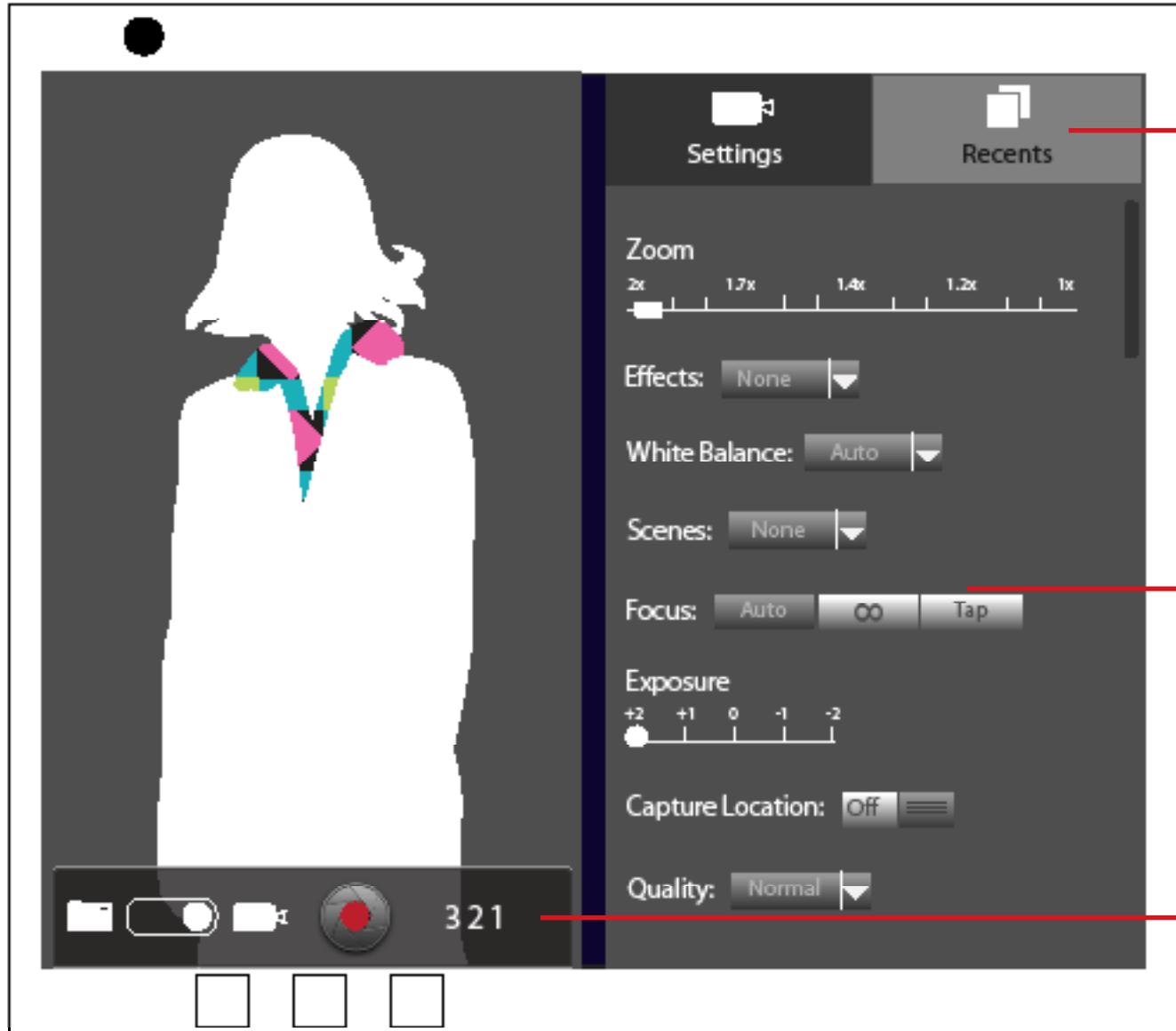
CPD3 CAMERA: Access to Recent Photo Options via Long Press

CPD1.5 LP Recent Photo



CPD4 VIDEO: Capture & Settings

CPD2 Capture Video (settings)



Easy access to all settings; not menu-driven

In dual screen, we have exposed the video settings and recently taken videos. In dual screen, the video cannot be 'switched' as it can in single screen.

We've retained the basic camera controls on screen 1: shutter, camera/video toggle, and timer.

All settings should be sticky, as should the tab the user had last accessed. Recents should be the default tab displayed.

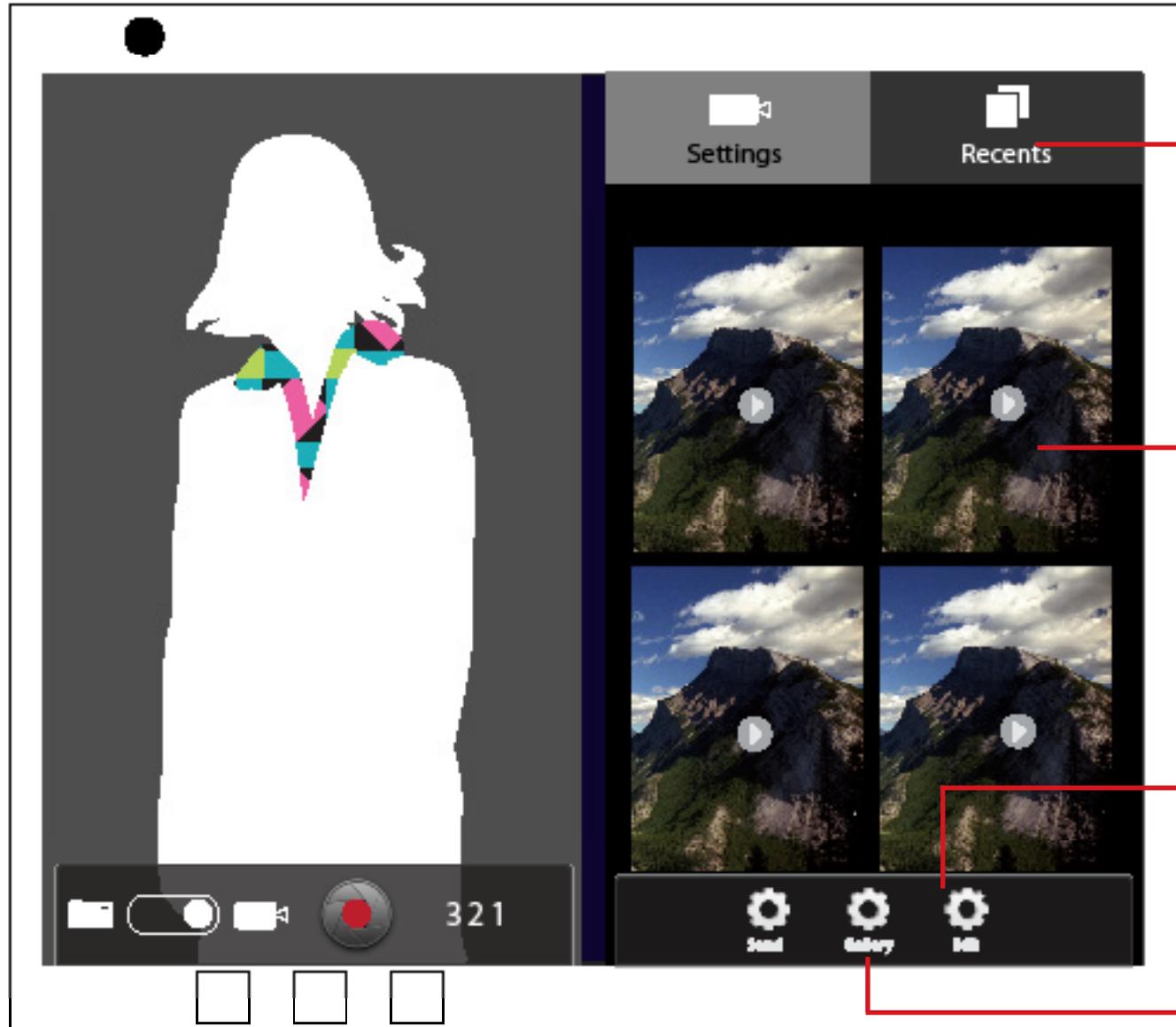
Tabs for settings and recent videos.

In dual screen, we've changed some controls from menus into controls that provide better affordances for the action.

Basic video controls remain on screen 1.

CPD5 VIDEO: Capture & Settings (con't)

CPD2.1 Capture Photo (recents)



Tabs for settings and recent videos.

Grid of most recently taken videos. Note that this is **NOT** the gallery.

Basic actions for recent videos These are the same settings available on press and hold of recent video. This is not full gallery functionality.

Access to the Gallery is provided here. Tapping the icon displays the Gallery.

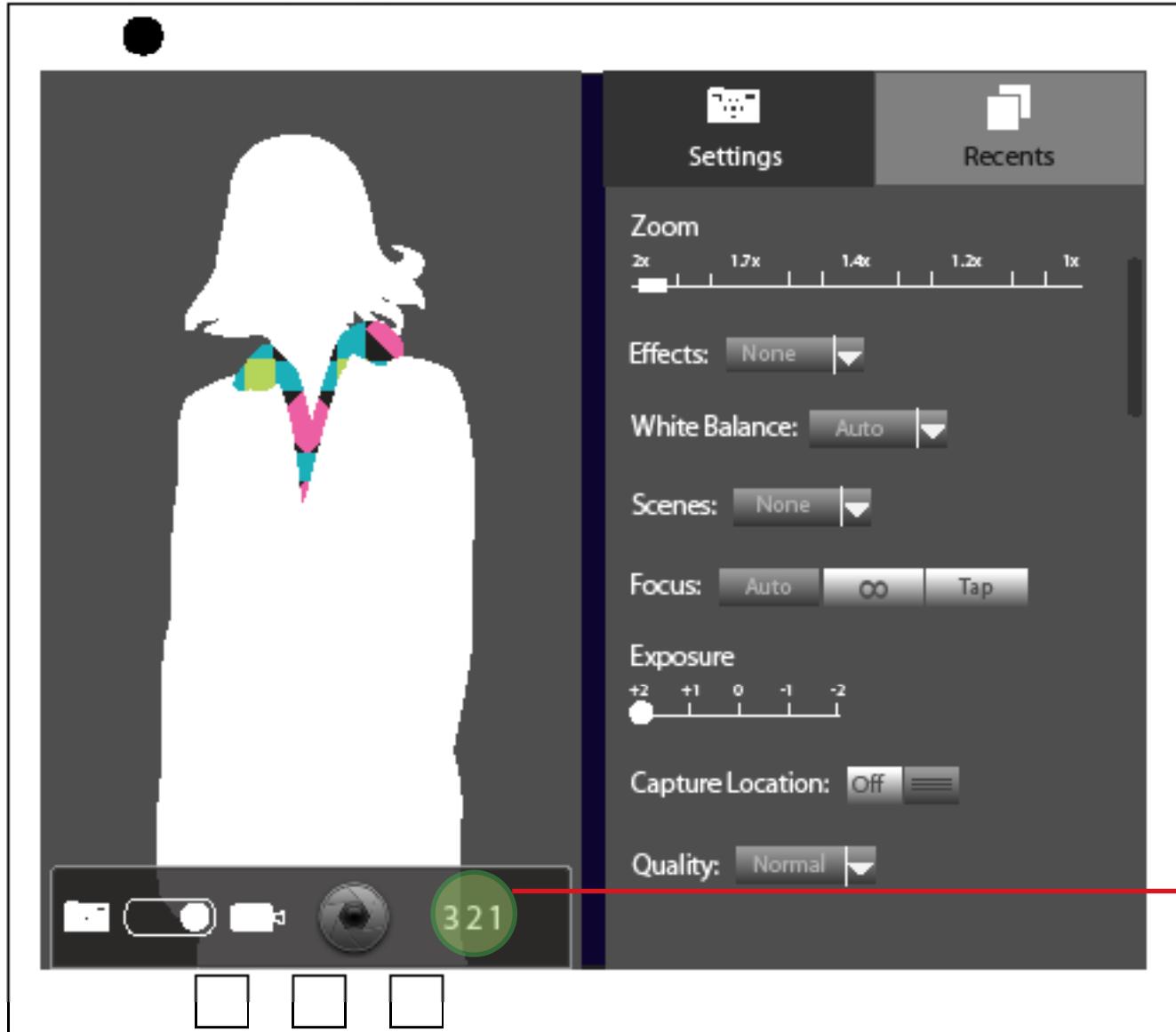
View grid of recent videos

In dual screen, instead of surfacing just the two most recent videos the user has taken, we display large thumbnails, enough to fit the screen. Note that these videos don't belong to a specific album, they are just the most recent videos the user has taken. If a user removes a video, the next most recent video is displayed. If a user takes a new video, that video replaces the last most recent video to maintain the video grid.

From here, we've provided some very basic gallery/video functionality such as send and delete. The user will have the ability to multi-select here too. Tapping a video will display the video full screen.

CPD6 CAMERA/VIDEO: Timer

CPD2 Capture Video (settings)



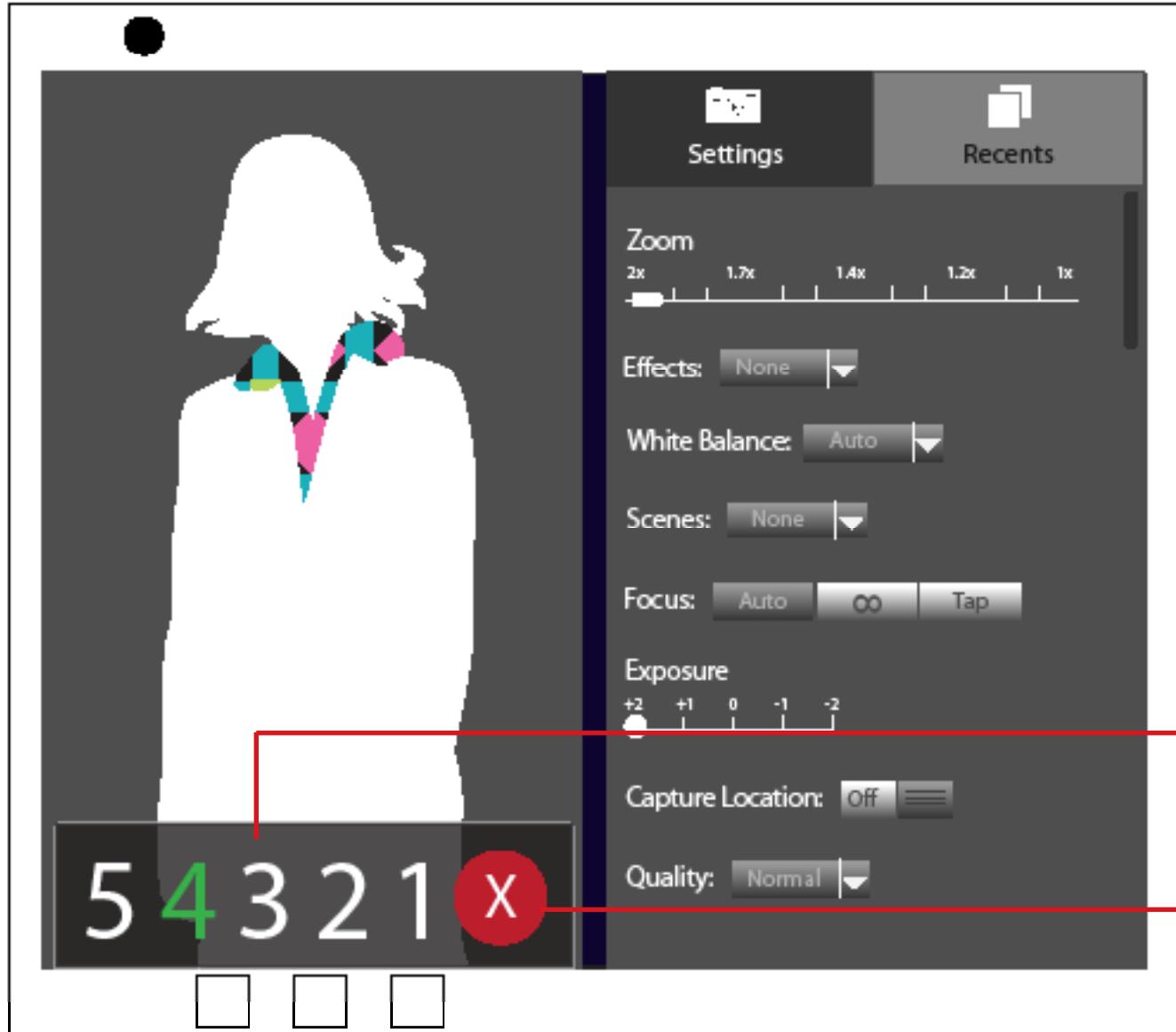
Timer functionality allows the user to start a countdown to when the photo will be taken. Tapping the timer icon starts the timer, and displays a countdown along with a stop button.

Timer is given higher prominence than other settings.

1. Tap the Timer icon.

CPD7 CAMERA/VIDEO: Timer (con't)

CPD1.6/2.2 Timer



The countdown timer is displayed in place of the basic controls. An indicator, be it numbers or something else, displays the length of time the timer runs, the start and end times, and where the user is within the timeline.

As the time runs down, the timeline visually progresses, displaying to the user how much time they have left before the photo is taken.

Tapping the stop button will stop the timer and cancel the photo.

Countdown timer visually depicts where the user is in the countdown and how much longer they have until the photo is taken.

Stop button allowing user to cancel the timer.

2. Action bar is replaced with a countdown timer.
Tapping X icon stops the timer.

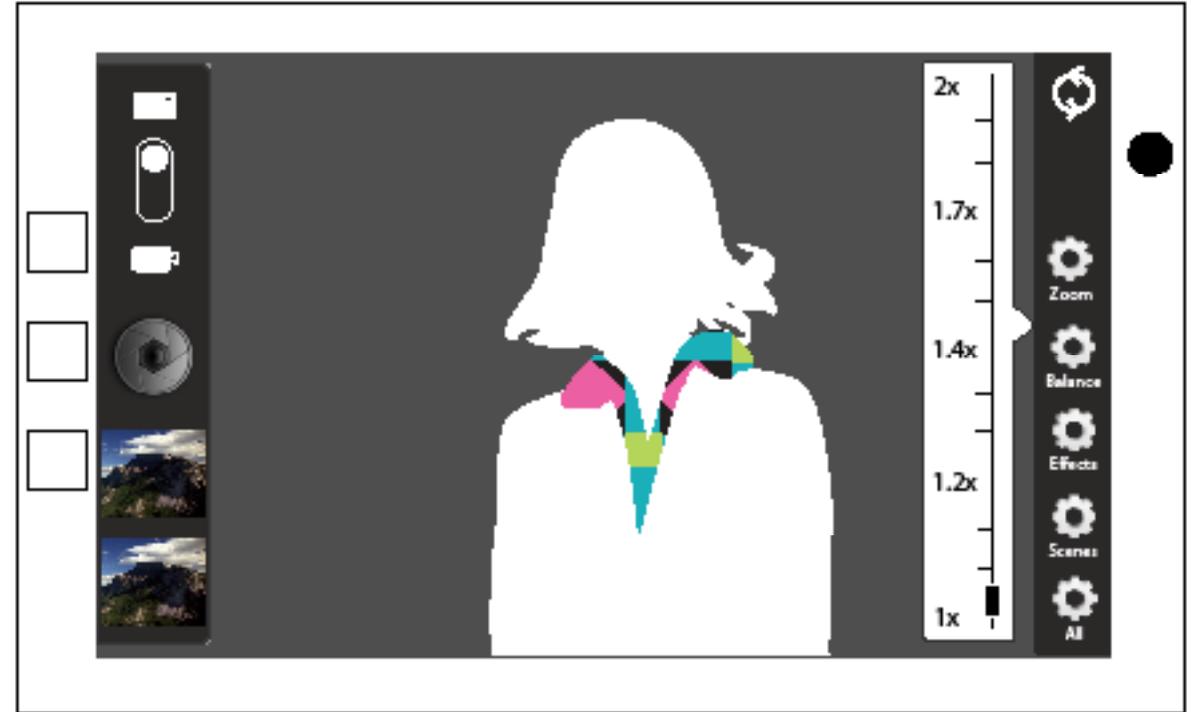
LANDSCAPE SINGLE

CLS1 CAMERA: Basic Capture Controls & Settings

CLS1 Capture Photo



CLS1.2 Camera Zoom Setting Menu

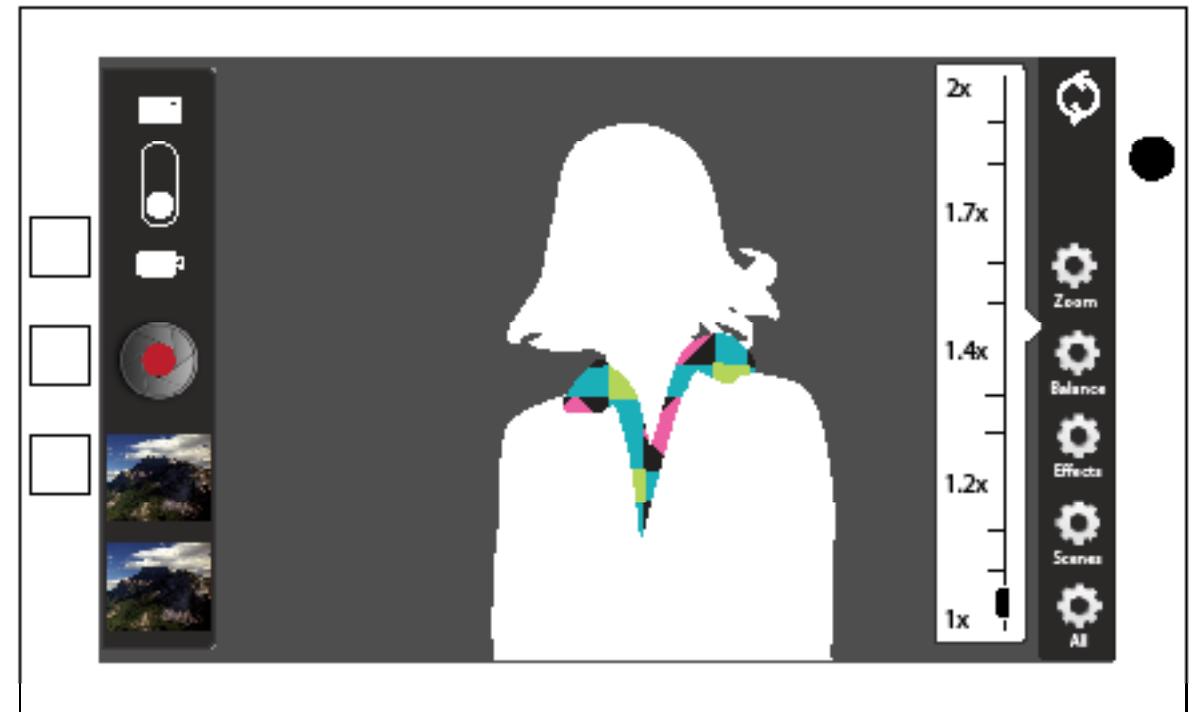


CLS2 VIDEO: Basic Capture Controls & Settings

CLS2 Capture Video

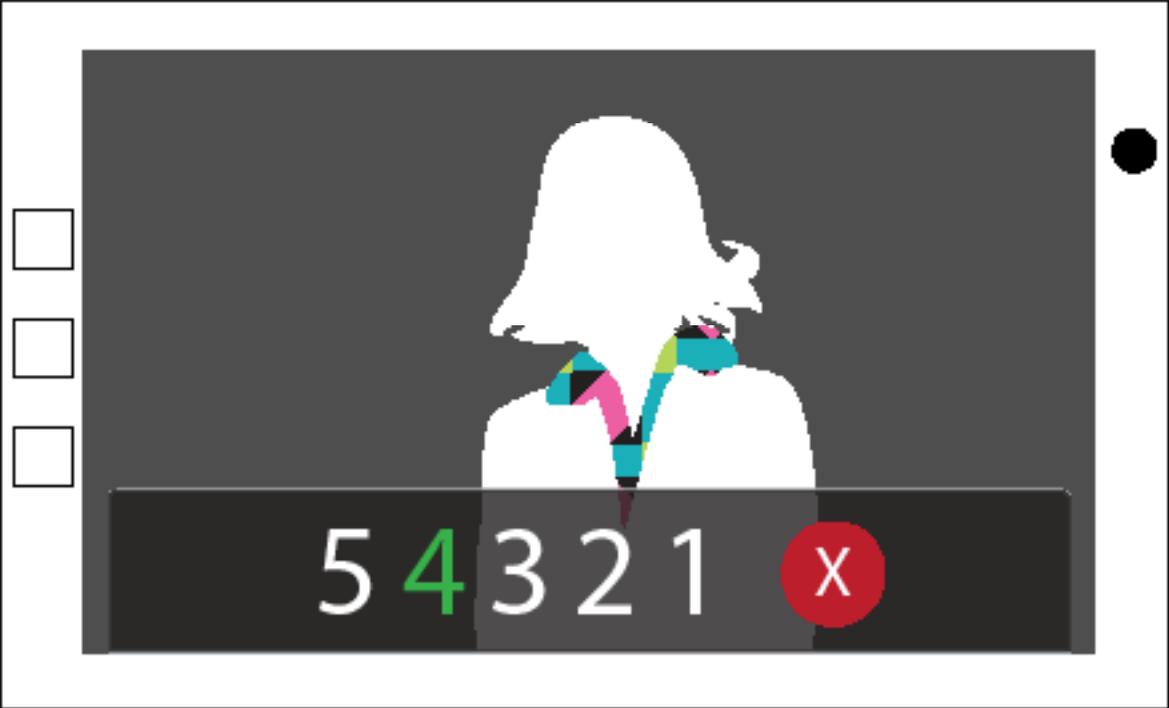


CLS2.2 Video Zoom Setting Menu



CLS3 CAMERA/VIDEO: Timer

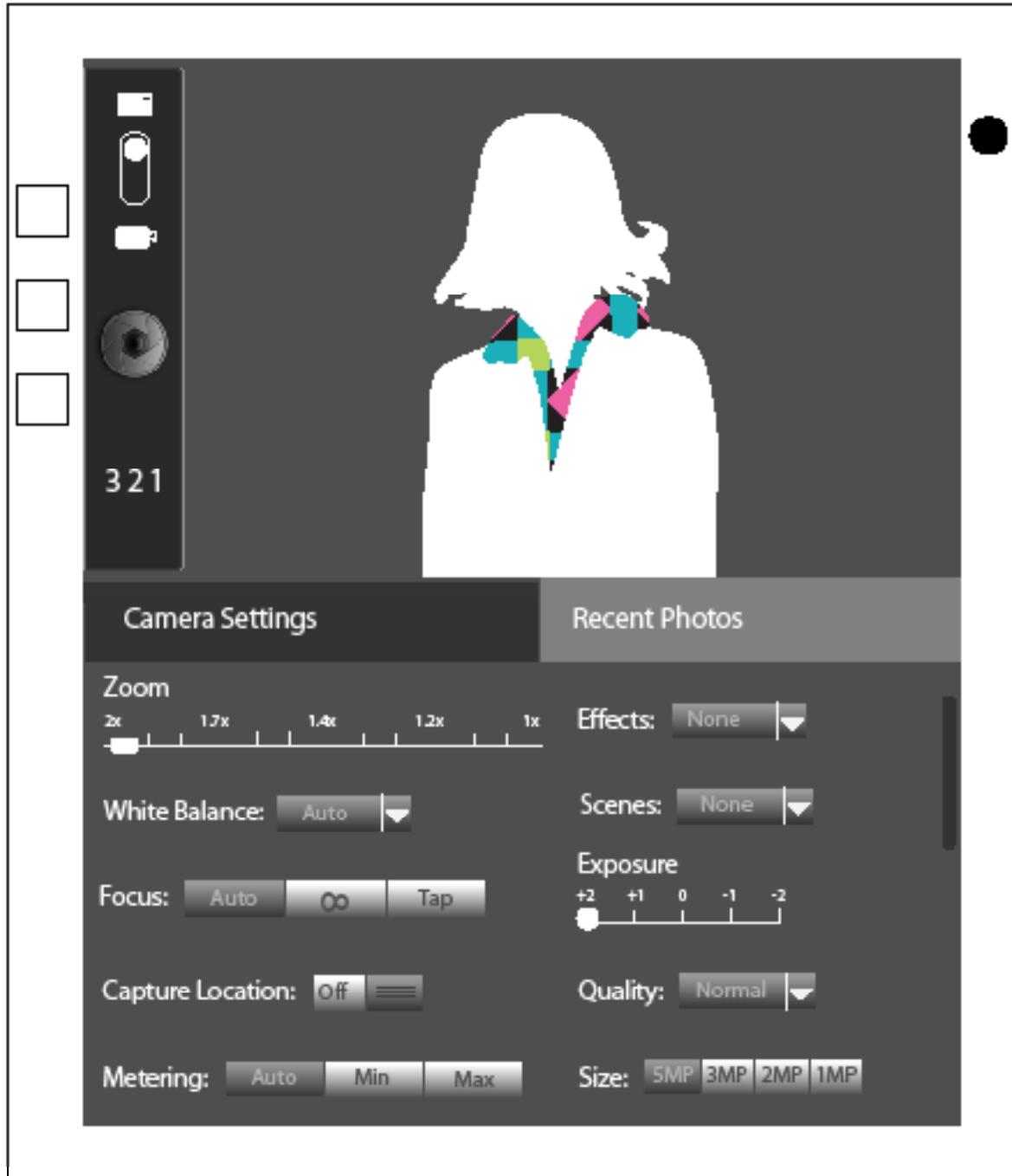
CLS1.3/2.3 Timer



LANDSCAPE DUAL

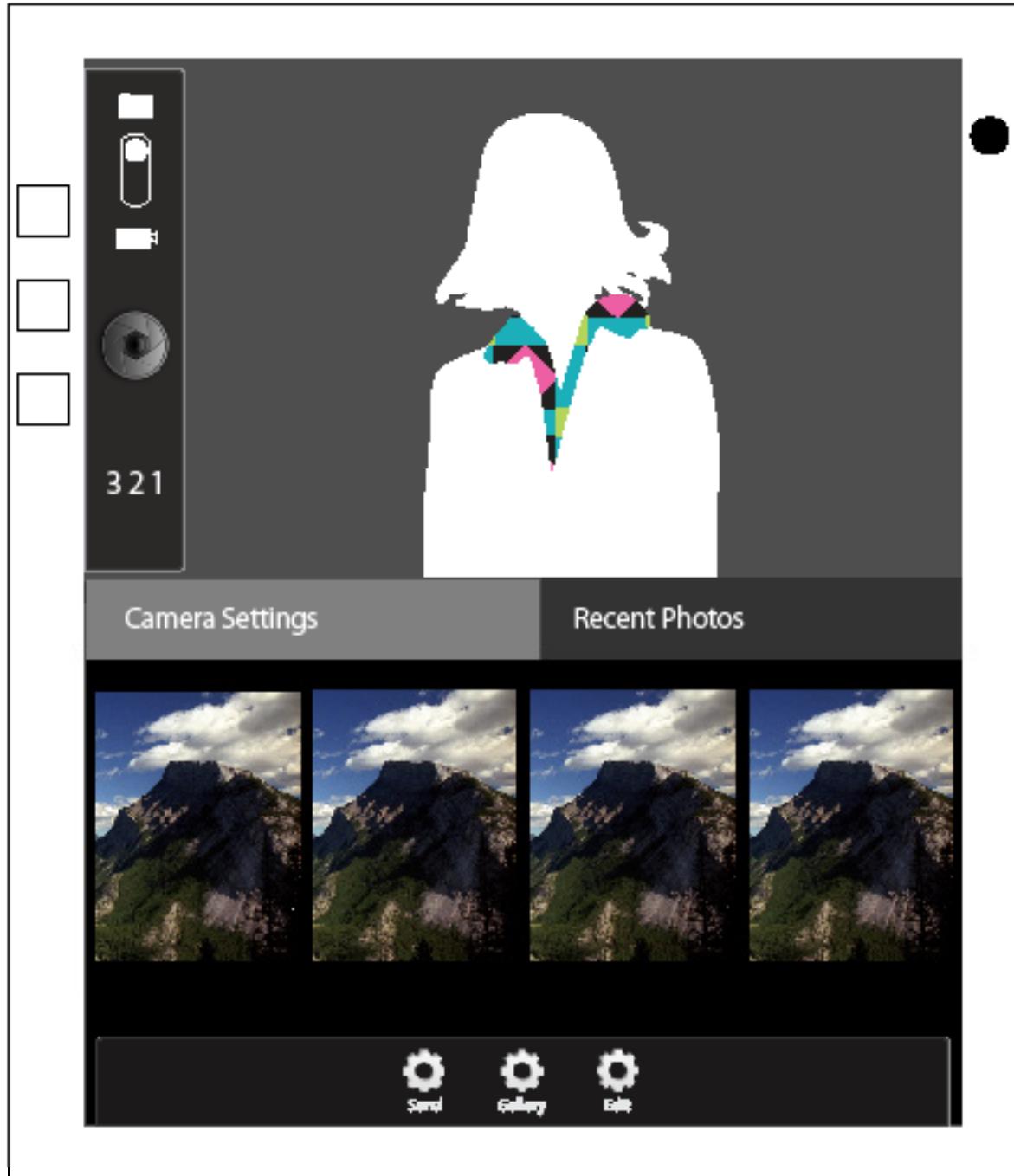
CLD1 CAMERA: Capture & Settings

CLD1 Capture Photo (settings)



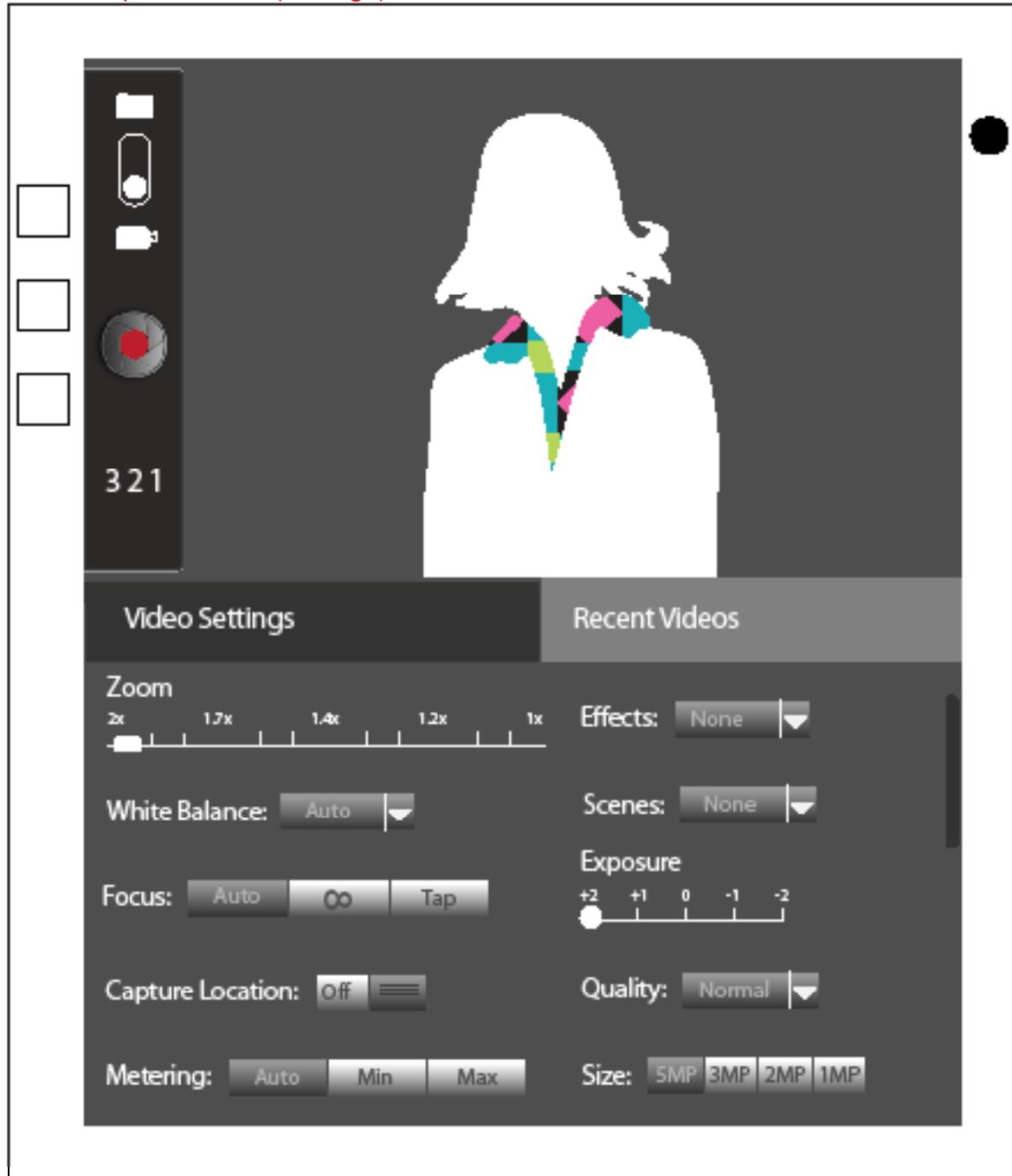
CLD2 CAMERA: Capture & Settings (con't)

CLD1.2 Capture Photo (recents)



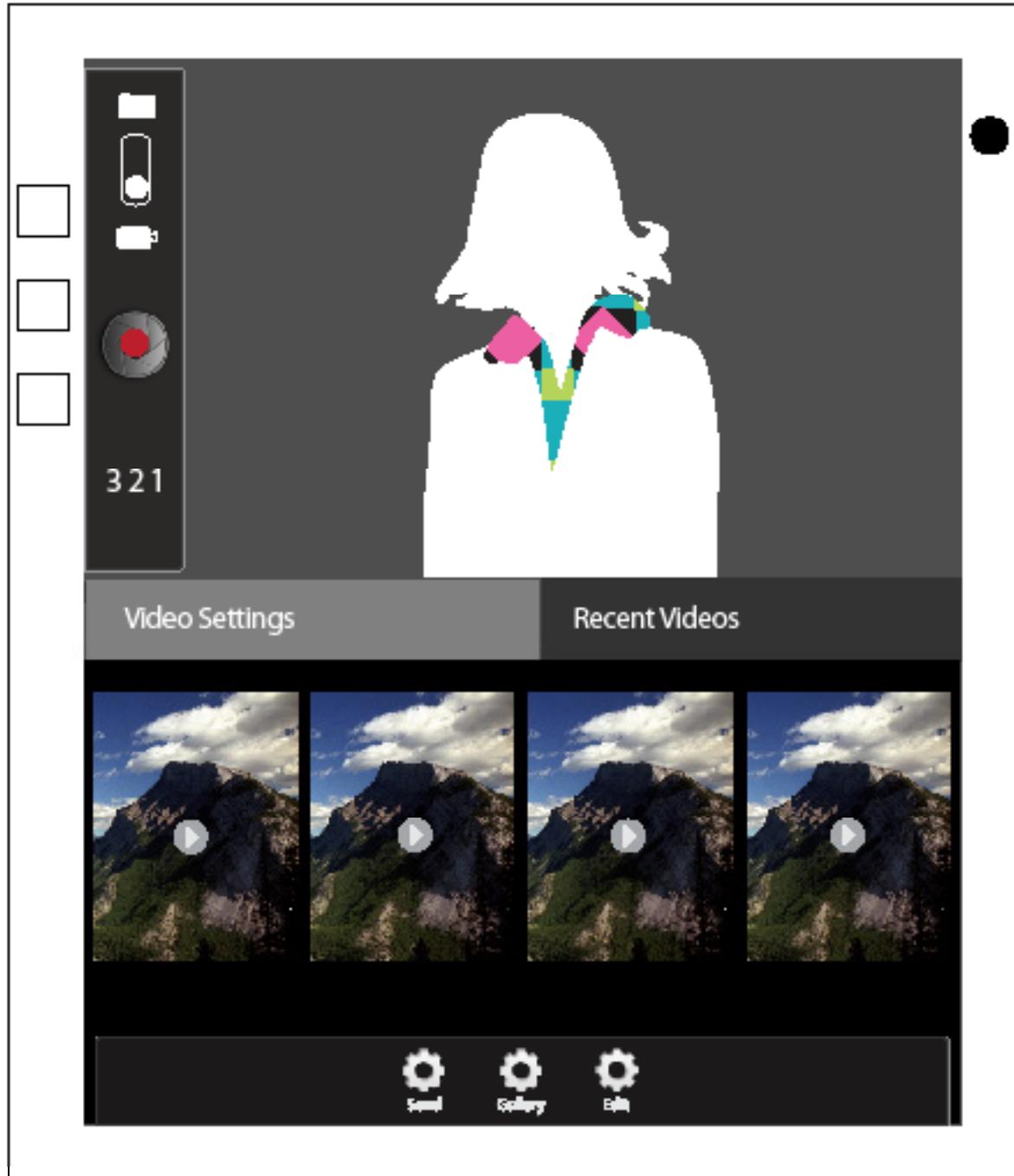
CLD3 VIDEO: Capture & Settings

CLD2 Capture Photo (settings)



CLD4 VIDEO: Capture & Settings (con't)

CLD2.2 Capture Photo (recents)



CLD5 CAMERA/VIDEO: Timer

CLD1.3/2.3 Timer

