

# Full screen video displaying

It is recommended to use `RTCMTLVideoView` to display a video in full screen because `RTCEAGLVideoView` may distort picture aspect ratio when picture size is changing

code

```
id<MTLDevice> remoteDevice;
#ifdef __aarch64__
remoteDevice = MTLCreateSystemDefaultDevice();
if (remoteDevice) {
    RTCMTLVideoView *remoteView = [[RTCMTLVideoView alloc] init];
    remoteView.delegate = self;
    remoteView.videoContentMode = UIViewContentModeScaleAspectFit;
    _remoteDisplay = remoteView;
    _remoteDisplay.backgroundColor = [UIColor blackColor];
    UITapGestureRecognizer *singleFingerTap = [[UITapGestureRecognizer
alloc] initWithTarget:self action:@selector(fullscreenButton:)];
    singleFingerTap.numberOfTapsRequired = 2;
    [_remoteDisplay addGestureRecognizer:singleFingerTap];
}
#endif
if (!_remoteDisplay) {
    RTCEAGLVideoView *remoteView = [[RTCEAGLVideoView alloc] init];
    remoteView.delegate = self;
    _remoteDisplay = remoteView;
}
_remoteDisplay.translatesAutoresizingMaskIntoConstraints = NO;
```

To switch to full screen view, set screen dimensions to the view where stream is playing

code

```
[_remoteDisplay.widthAnchor constraintEqualToConstant: [[UIScreen
 mainScreen] bounds].size.width].active = YES;
[_remoteDisplay.heightAnchor constraintEqualToConstant:[UIScreen
 mainScreen] bounds].size.height].active = YES;
[_remoteDisplay removeFromSuperview];
[_scrollView addSubview:_remoteDisplay];
```

To exit full screen view, set the container dimensions to the view where stream is playing

code

```
[_remoteDisplay removeFromSuperview];
[_videoContainer addSubview:_remoteDisplay];

NSLayoutConstraint *constraint = [NSLayoutConstraint
constraintWithItem:_remoteDisplay attribute:NSLayoutAttributeWidth
```

```
relatedBy:NSLayoutRelationEqual toItem:_remoteDisplay
attribute:NSLayoutAttributeHeight multiplier:640.0/480.0 constant:0];
[_remoteDisplay addConstraint:constraint];

constraint =[NSLayoutConstraint constraintWithItem:_remoteDisplay
attribute:NSLayoutAttributeWidth relatedBy:NSLayoutRelationLessThanOrEqual
toItem:_videoContainer attribute:NSLayoutAttributeWidth multiplier:1.0
constant:0];
[_videoContainer addConstraint:constraint];

[_videoContainer addConstraints:[NSLayoutConstraint
constraintsWithVisualFormat:@"H:|[remoteDisplay]|"
options:NSLayoutFormatAlignAllTop metrics:@{ } views:@{@"remoteDisplay":
_remoteDisplay}]];

[_videoContainer addConstraints:[NSLayoutConstraint
constraintsWithVisualFormat:@"V:|[remoteDisplay]|" options:0 metrics:@{ }
views:@{@"remoteDisplay": _remoteDisplay}]];
```