

# 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}]];
```